STR-GX590

SERVICE MANUAL

AEP Model

SPECIFICATIONS

Amplifier section

Dynamic power output

	Model for Scandinavian countries, Switzerland, Spain and Portugal		Model for other countries	
DIN, 1 kHz	6 ohms	70 W + 70 W	4 ohms	80 W + 80 W
	8 ohms	55 W + 55 W	8 ohms	55 W + 55 W
20 Hz – 20 kHz THD 0.3 %	6 ohms	55 W + 55 W	4 ohms	60 W + 60 W
	8 ohms	50 W + 50 W	8 ohms	50 W + 50 W

Harmonic distortion
Less than 0.05 % at 10 W output

Frequency response
PHONO: RIAA equalization curve ±0.5 dB
CD, VIDEO, TAPE 1, 2: 10 Hz - 50 kHz $^{+0}_{-3}$ dB

Inputs

	Sensitivity	Impedance	S/N (weighting network, input level)
PHONO	2.5 mV	50 kilohms	80 dB
CD, VIDEO TAPE 1, TAPE 2 (STR-GX590 only)	150 mV	50 kilohms	100 dB

Outputs

REC OUT, VIDEO (AUDIO) OUT	Voltage 150 mV Impedance 470 ohms
SPEAKER A, B	Model for Scandinavian countries, Switzerland, Spain and Portugal: Accepts speakers of 6-16 ohms Model for other countries: Accepts speakers of 4-16 ohms
HEADPHONES	Accepts low and high impedance headphones

Tone controls
BASS: ±6 dB at 100 Hz
TREBLE: ±6 dB at 10 kHz

Tuner section

	FM tuner section	AM tuner section
Tuning range	87.5 – 108 MHz	531 – 1,602 kHz
Antenna terminals	75 ohms, unbalanced	External antenna terminal
Sensitivity at 46 dB quieting	18 dBf, 2.2 µV (mono) 40 dBf, 24.5 µV (stereo)	—
Usable sensitivity	11.2 dBf, 1 µV (IHF)	Loop antenna: 300 µV (at 999 kHz)
Signal-to-noise ratio	74 dB (mono) 69 dB (stereo)	54 dB (at 50 mV/m)
Harmonic distortion	0.3% (mono), 0.5% (stereo) at 1 kHz	0.5% (at 50 mV/m, 400 Hz)
Selectivity	80 dB at 400 kHz	32 dB at 10 kHz
Separation	45 dB at 1 kHz	—
Frequency response	30 Hz – 15 kHz $^{+0.5}_{-2}$ dB	—

— Continued on next page —

FM STEREO/FM-AM RECEIVER

SONY®

General

System
- Tuner section: PLL quartz-locked digital synthesizer system
- Preamplifier section: low-noise NF type equalizer amp
- Power amplifier section: pure complementary SEPP

Power requirements
- 220-230 V AC, 50/60 Hz

AC outlet
- One switched (100 W Max.)

Dimensions
- Approx. 430 x 150 x 375 mm (w/h/d)
- (17 x 5 $^{7}/_{8}$ x 14 $^{3}/_{4}$ inches)
- including projecting parts and controls

Weight
- Approx. 9.6 kg (21 lb 3 oz)

Accessories supplied
- FM wire antenna (1) (Except German model)
- AM loop antenna (1)
- Remote Commander
  - RM-S103 (1)
- Sony batteries SUM-3(NS) (2)

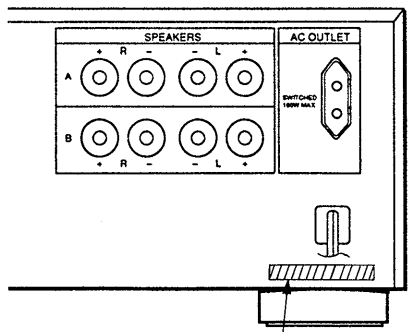
Design and specifications are subject to change without notice.

Note

This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

MODEL IDENTIFICATION

— BACK PANEL —



AE2 : North European countries
AE1 : Other European countries
AE4 : Germany model

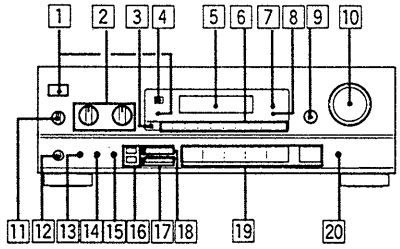
SAFETY-RELATED COMPONENT WARNING!!

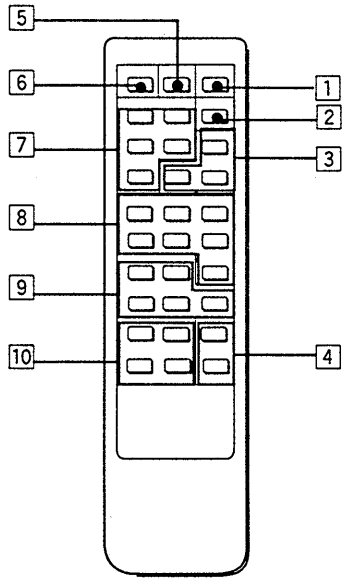
COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1
GENERAL

This section is extracted from instruction manual.

Parts Identification





RM-S103

Front Panel

1 **POWER switch and STANDBY indicator**

2 **TONE controls** (page 26)

3 **SHIFT button** (pages 36 and 38)

4 **Remote sensor**

5 **Display window**

6 **Numeric buttons** (pages 30, 32, 36 and 38)

7 **TAPE 2 MONITOR indicator** (pages 44 and 46)

8 **SOURCE DIRECT indicator** (page 26)

9 **BALANCE control** (page 26)

10 **VOLUME control** (page 26)

11 **SPEAKERS selector** (page 26)

12 **HEADPHONES jack** (page 26)

13 **FM MODE button** (page 32)

14 **TUNING DIRECT button** (page 30)

15 **MEMORY button** (page 36)

16 **BAND FM/AM buttons** (page 30)

17 **PRESET TUNING –/+ buttons** (page 40)

18 **TUNING –/+ buttons** (page 34)

19 **Function selectors**

20 **SOURCE DIRECT button** (page 26)

RM-S103

1 **POWER button**

2 **DBFB button***

3 **TUNER PRESET +/– and SHIFT buttons**

4 **VOLUME +/– buttons**

5 **SURROUND button***

6 **MUTING button***

7 **CD player operation buttons**
D. (disc) SKIP: When your CD player is equipped with a multi-disc changer, use this button to select loaded disc.
CD ►: Selects the CD function and starts CD playback.

8 **DECK B operation buttons (also for single tape deck)**
DECK B ◄/►: Select tape function and start tape playback on deck B.

9 **DECK A operation buttons**
DECK A ◄/►: Select tape function and start tape playback on deck A.

10 **Function select buttons**

* These buttons do not function for the unit.

Notes on the remote commander
For the functions other than the receiver's own ones, the remote commander is effective only with Sony components having a remote sensor with a ⓡ mark.

Hooking Up the System

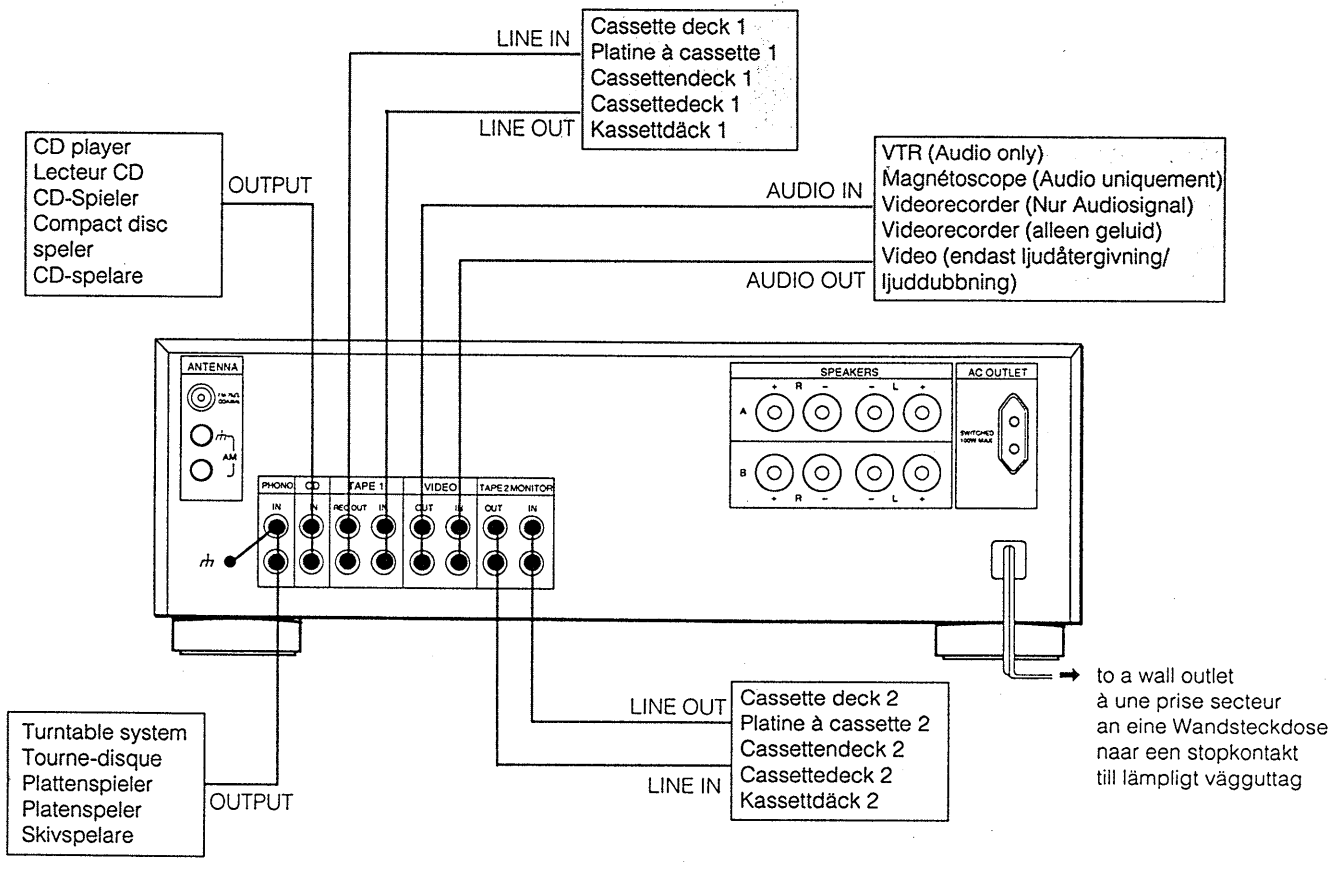
Notes on connections

This section describes about the connection with the other equipments, the antenna connection, speaker connection and then the AC power connection.

- Do not connect the power cord to an AC outlet nor press the POWER switch before accomplishing all other connections.
- The cable connectors should be fully inserted into the jacks. Loose connection may cause hum and noise.
- Jacks and plugs of the connecting cord are color-coded as follows:
  Red jacks and plugs: For the right channel of audio signals
  White jacks and plugs: For the left channel of audio signals

Connecting Audio Equipment

See the illustration below.

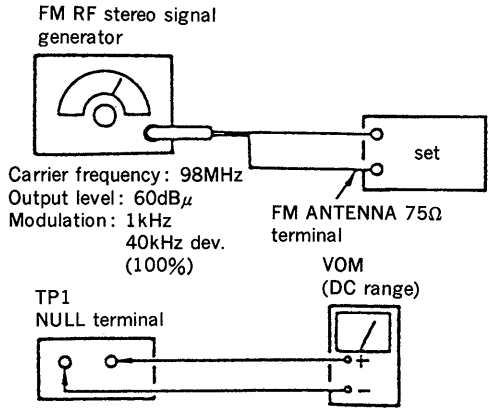


SECTION 2
ELECTRICAL ADJUSTMENTS

FM SECTION

• FM Discriminator (NULL) Adjustment

Setting :



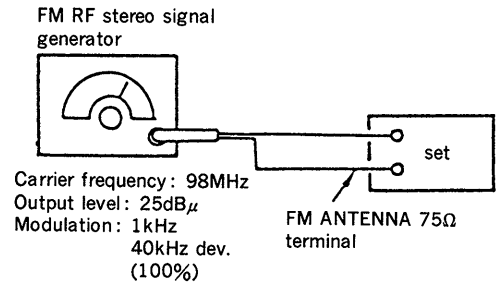
Procedure :

1. Tune the set to 98MHz.
2. Adjust T21 for 0V reading on the VOM.

Note : FM Tuning Level adjustment should be made after FM discriminator adjustment.

• FM Stereo Operation Level Adjustment

Setting :

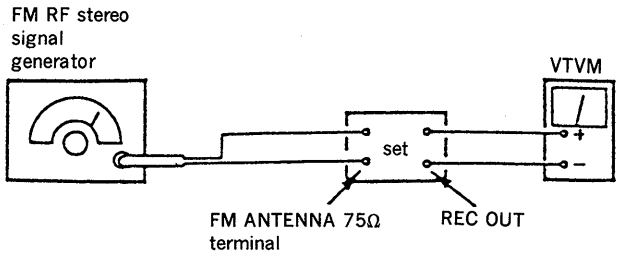


Procedure :

1. Tune the set to 98MHz.
2. Adjust RV24 so that the STEREO light on.

• FM Stereo Separation Adjustment

Setting :



Carrier frequency : 98MHz
Output level : 60dBμ
Modulation : 1kHz, 40kHz dev. (100%)

Procedure :

Tune the set to 98MHz.

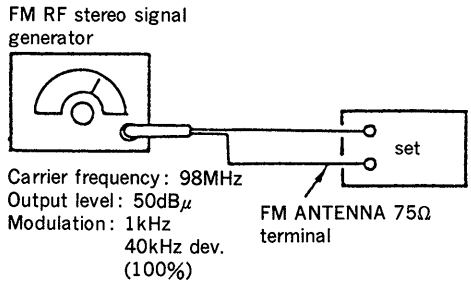
FM stereo signal generator output channel	VTVM connection	VTVM reading (dB)
L-CH	L-CH	Ⓐ
R-CH	L-CH	Ⓑ Adjust RV21 for minimum reading.
R-CH	R-CH	Ⓒ
L-CH	R-CH	Ⓓ Adjust RV21 for minimum reading.

L-CH Stereo separation : Ⓐ−Ⓑ
R-CH Stereo separation : Ⓒ−Ⓓ

The separations of both channels should be equal.

• FM Signal Level Adjustment

Setting :



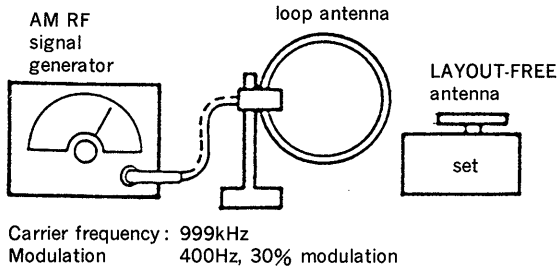
Procedure :

1. Tune the set to 98MHz.
2. Adjust the RV23 so that the 10 point segment of the signal meter goes on.

AM SECTION

• AM Signal Level Adjustment

Setting :



Procedure :

1. Set loop antenna so that the LAYOUT-FREE antenna input level becomes 0.2V (106dBμ)
2. Tune the set to 999kHz.
3. Adjust the RV25 so that the 4 point segment of the signal meter goes on.

AMP SECTION

DC Bias Adjustment

- Perform this adjustment after replacement of power amp or drive circuit transistors.

Setting :

VOLUME : 0
SPEAKERS : OFF (no load)

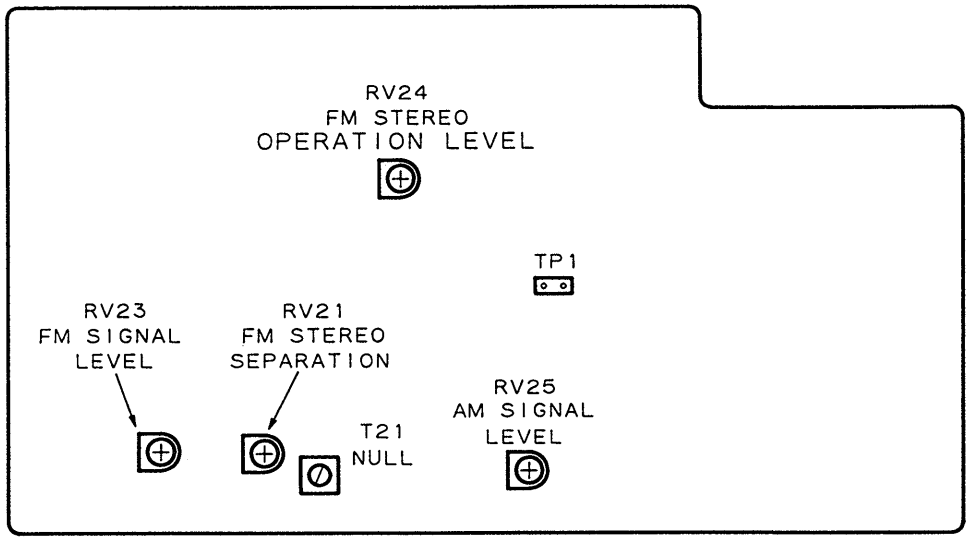
Procedures :

1. Connect the digital voltmeter to Bias Test Point (CN604 ①, ② L-CH, CN604 ③, ④ R-CH)
2. Confirm that the display is normal.
3. Adjust RV711 (L-ch) or RV761 (R-ch) so that the reading on the voltmeter becomes 3.5mV within 30 seconds after the power turned on.

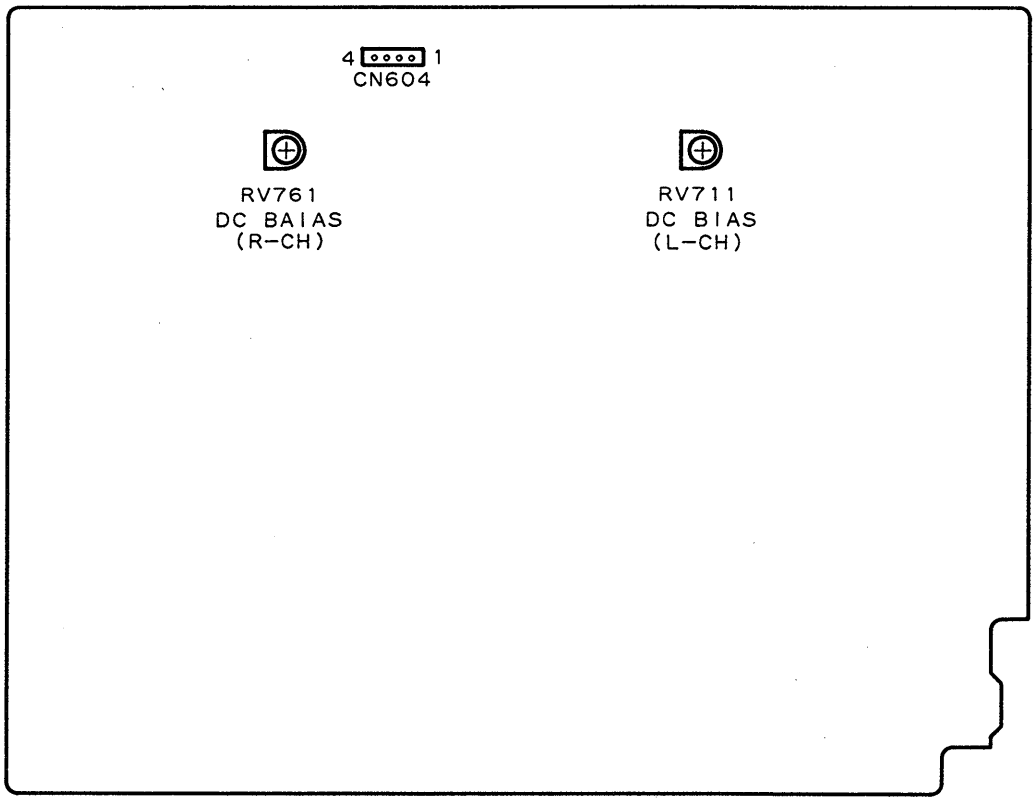
Note : It is normal that the voltage will increase as time passes.

Adjustment Location :

【 TUNER BOARD 】 (COMPONENT SIDE)



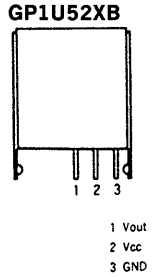
【MAIN BOARD】 (COMPONENT SIDE)



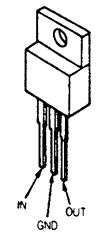
SECTION 3
DIAGRAMS

3-1. SEMICONDUCTOR LEAD LAYOUTS

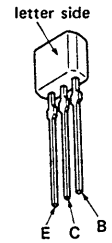
GP1U52XB



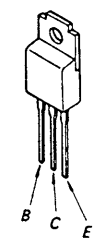
LM78M12



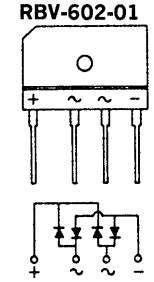
DTA124ES
2SA1175-HFE
2SC2785-HFE
2SC3623A-LK



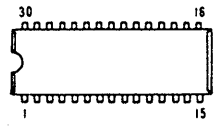
2SC4431-LK



RBV-602-01

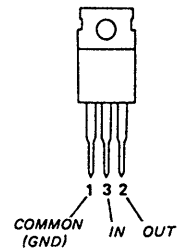


LA1851N
LC7822

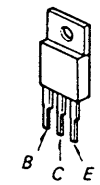


(Top view)

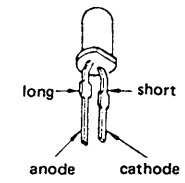
LM7912CT



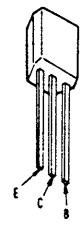
2SD2012



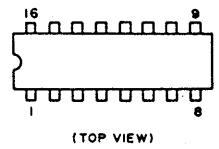
SEL2210S-CD



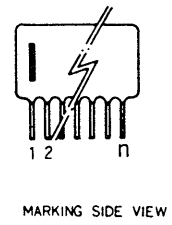
DTC114ES
DTC124ES
DTC144ES
2SC2603-EF
2SC2669-0Y
2SC3113-AB



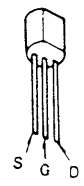
LB1494



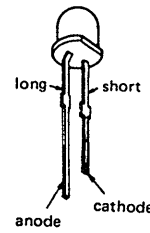
STK3042MK3



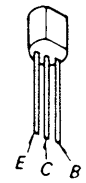
2SK246-GR3



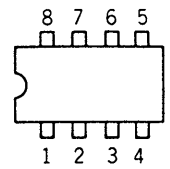
SEL2810A



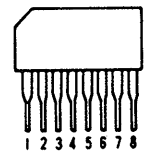
2SA988-PAFAEA



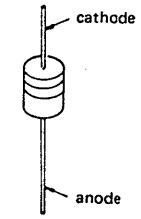
LB1639
M5218AP
μPC4570C



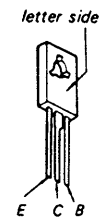
μPC1237HA



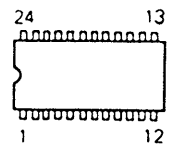
HZS22-2L
HZS6C3L
UZP-5.6B
11ES2



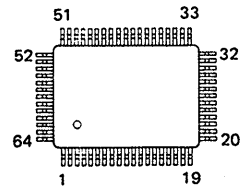
2SA1142-QPE



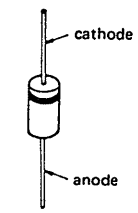
LC7218



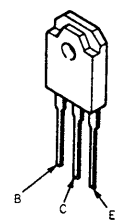
μPD75206-GF-723-3BE



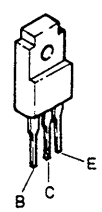
HZS4ALL
1N4148M
1S1585



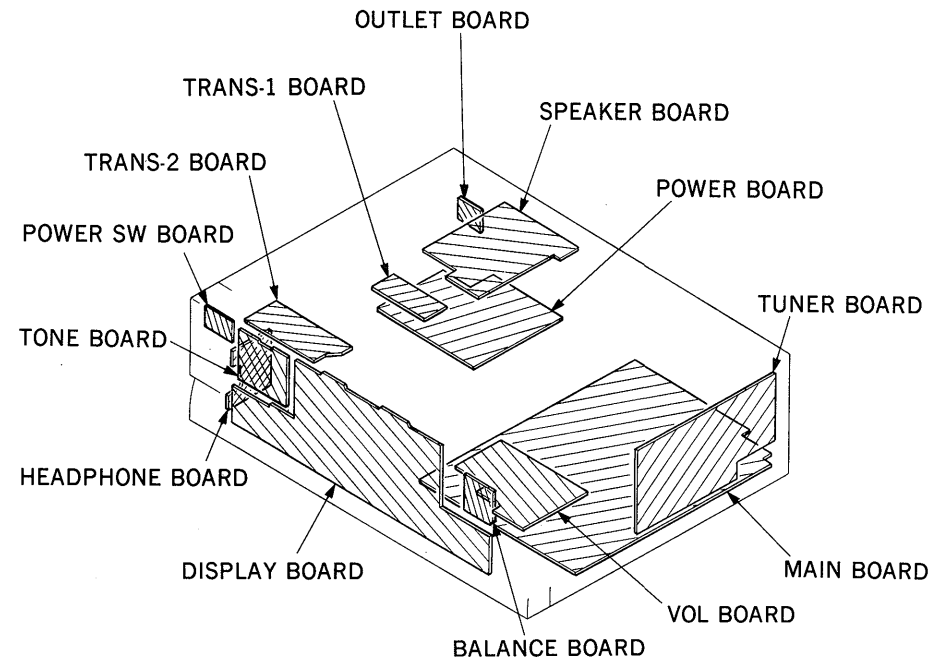
2SA1491-0Y
2SC3855-0Y



DTA114ES
2SA1684-LK



3-2. CIRCUIT BOARDS LOCATION



STR-GX590 STR-GX590
STR-GX590 STR-GX590

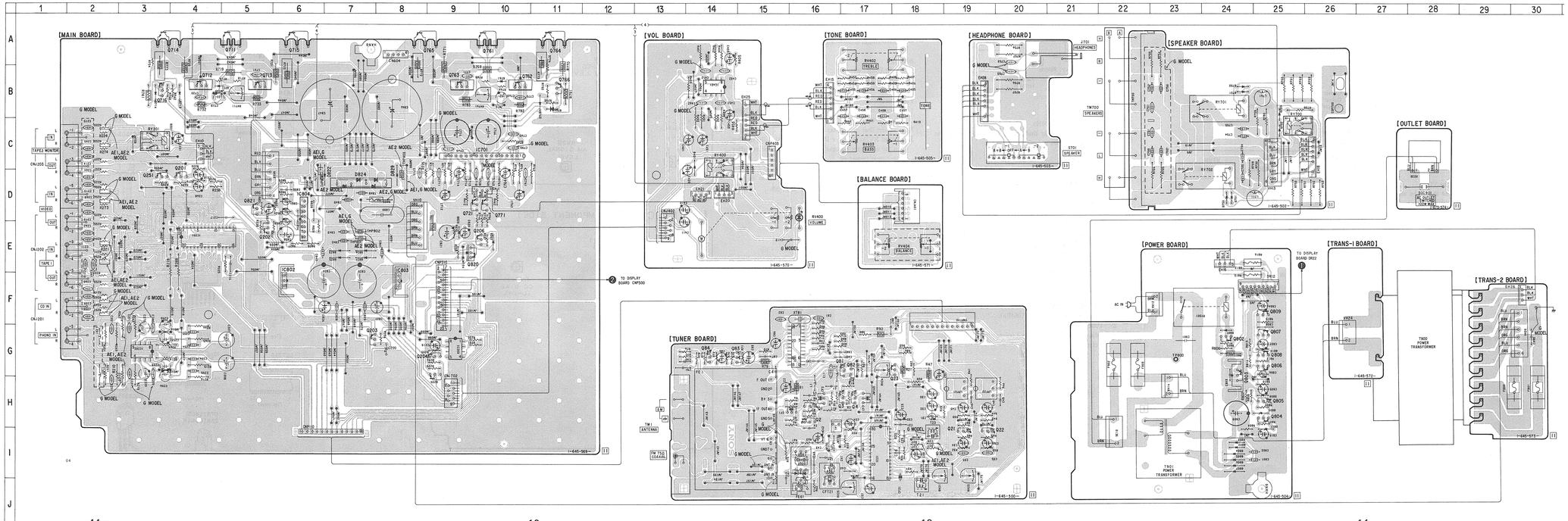
● Semiconductor Location

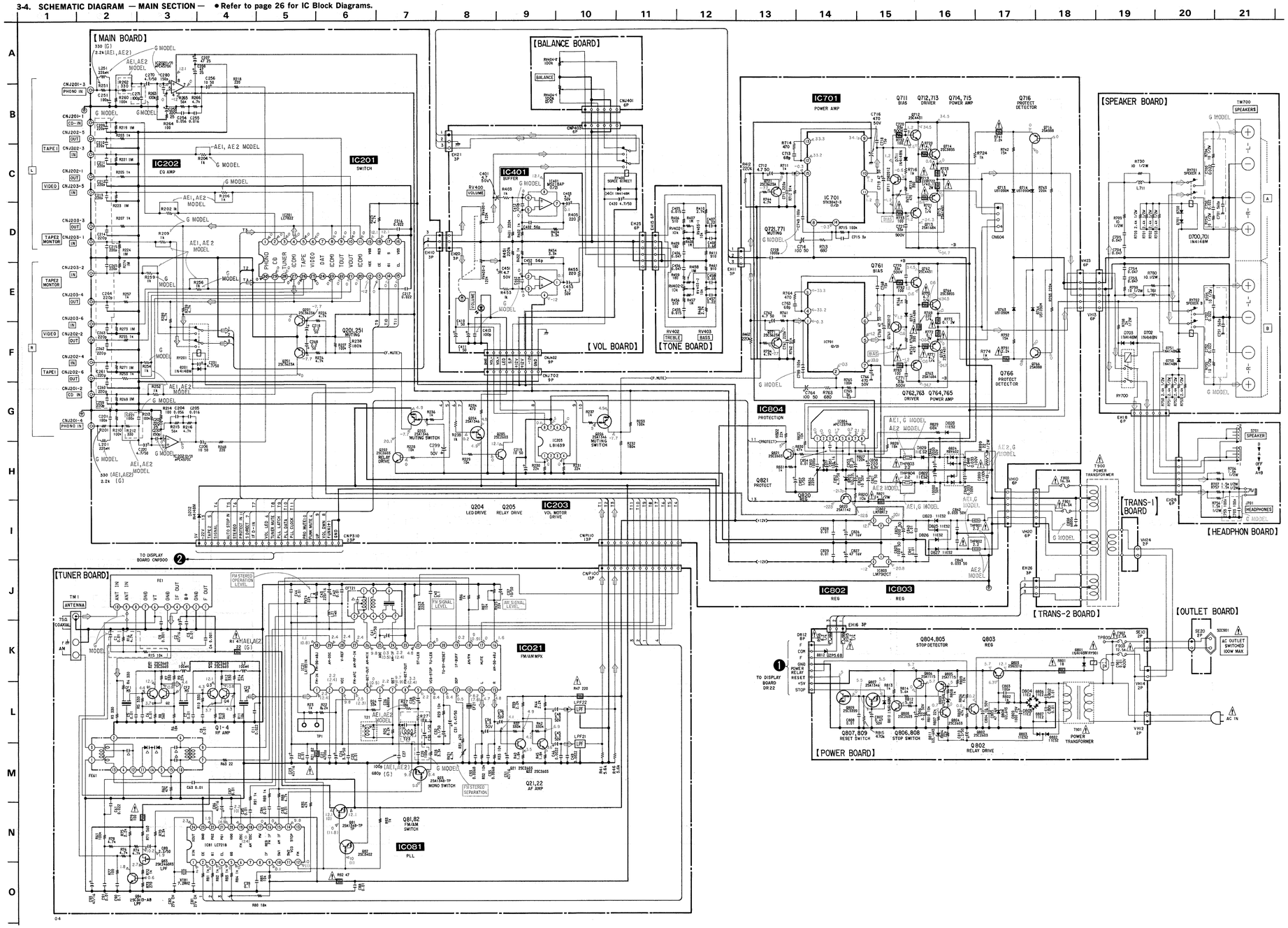
Ref. No.	Location	Ref. No.	Location
D201	C-4	IC803	F-8
D202	E-10	IC804	D-6
D401	C-14		
D700	B-25	Q1	H-17
D701	B-25	Q2	I-17
D702	C-26	Q3	H-17
D703	B-26	Q4	H-17
D711	B-5	Q21	I-19
D713	B-4	Q22	I-20
D714	B-3	Q23	H-18
D750	D-25	Q81	G-17
D751	D-25	Q82	G-17
D761	B-10	Q83	G-15
D763	B-11	Q84	G-14
D764	B-11	Q201	C-4
D801	G-25	Q202	E-5
D802	I-25	Q203	G-8
D803	I-25	Q204	G-9
D804	I-25	Q205	H-9
D805	I-25	Q206	E-10
D806	I-25	Q251	D-3
D807	J-25	Q711	A-5
D808	H-26	Q712	B-4
D809	H-26	Q713	B-5
D810	G-26	Q714	A-4
D811	I-26	Q715	A-6
D812	F-25	Q716	B-3
D820	E-9	Q721	D-10
D822	D-4	Q761	A-10
D823	E-7	Q762	B-11
D824	D-7	Q763	B-9
D825	E-7	Q764	A-11
D826	E-7	Q765	A-9
D827	E-7	Q766	B-11
D828	D-6	Q771	E-10
D829	D-8	Q802	G-25
		Q803	H-25
IC21	I-18	Q804	I-26
IC81	G-16	Q805	H-26
IC201	E-4	Q806	G-26
IC202	G-3	Q807	G-26
IC203	G-9	Q808	G-26
IC401	B-14	Q809	F-26
IC701	C-10	Q820	E-10
IC802	F-6	Q821	D-5

Note:
- ● ○—— : parts extracted from the component side.
- ● AE2 : North European countries
- ● AE1 : Other European countries
- ● G : Germany model

3-3. PRINTED WIRING BOARDS — MAIN SECTION —

● Refer to page 8 for Semiconductor Lead Layouts.



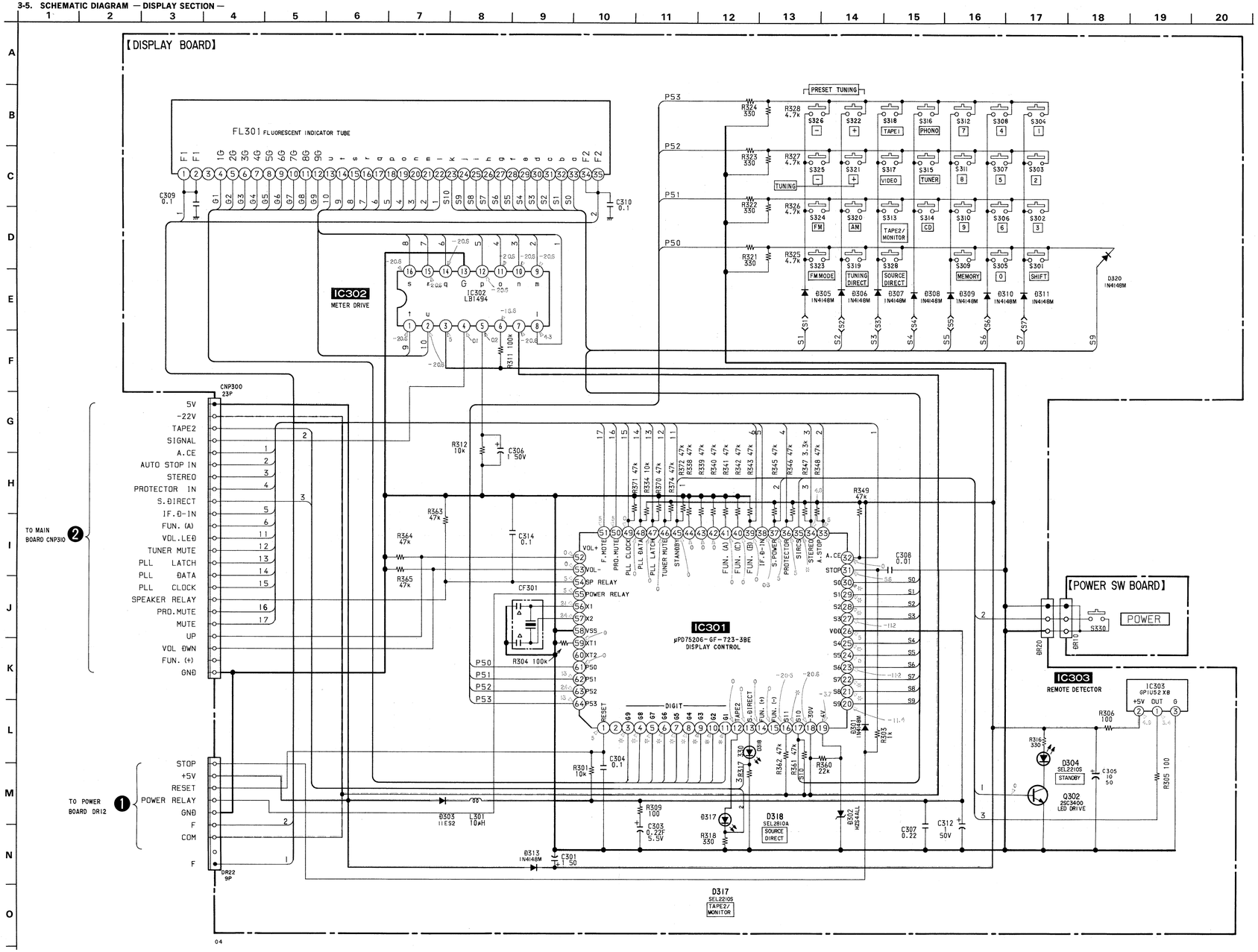


Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

- : B+ Line
- : B– Line
- : adjustment for resist.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark: FM
  ( ): AM
- Voltages are taken with a VOM (input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- **Signal path.**
  ⇨ : FM
- AE2: North European countries
- AE1: Other European countries
- G: Germany model



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- ○ : B+ Line
- ○ : B− Line
- ○ : adjustment for repair.
- ○ Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions. no mark: FM
- ○ Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.

3-6. PRINTED WIRING BOARDS — DISPLAY SECTION —

• Refer to page 8 for Semiconductor Lead Layouts.

【DISPLAY BOARD】

【POWER SW BOARD】

TO POWER BOARD DRI2

TO MAIN BOARD CNP310

FL301 FLUORESCENT INDICATOR TUBE

• Semiconductor Location

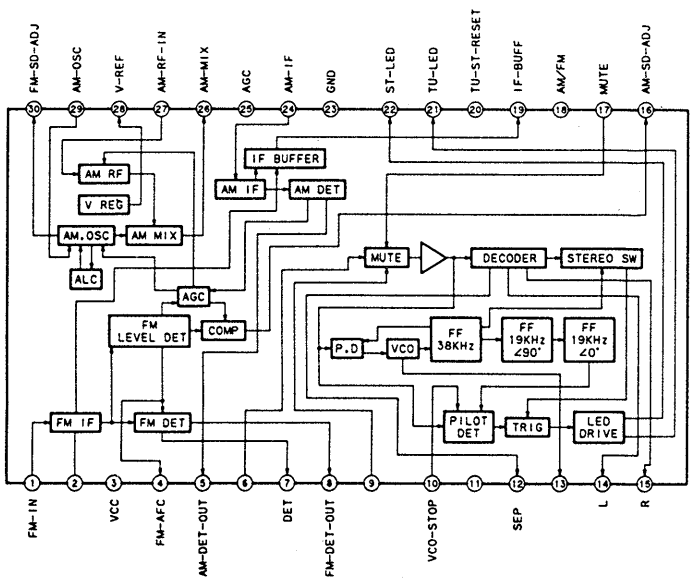
Ref. No.	Location
D301	C-8
D302	D-9
D303	E-5
D304	D-5
D305	B-10
D306	B-10
D307	B-10
D308	B-10
D309	D-10
D310	D-10
D311	E-7
D313	D-10
D317	D-10
D318	D-10
D320	D-9
IC301	D-7
IC302	D-8
IC303	D-5
Q302	D-5

Note:

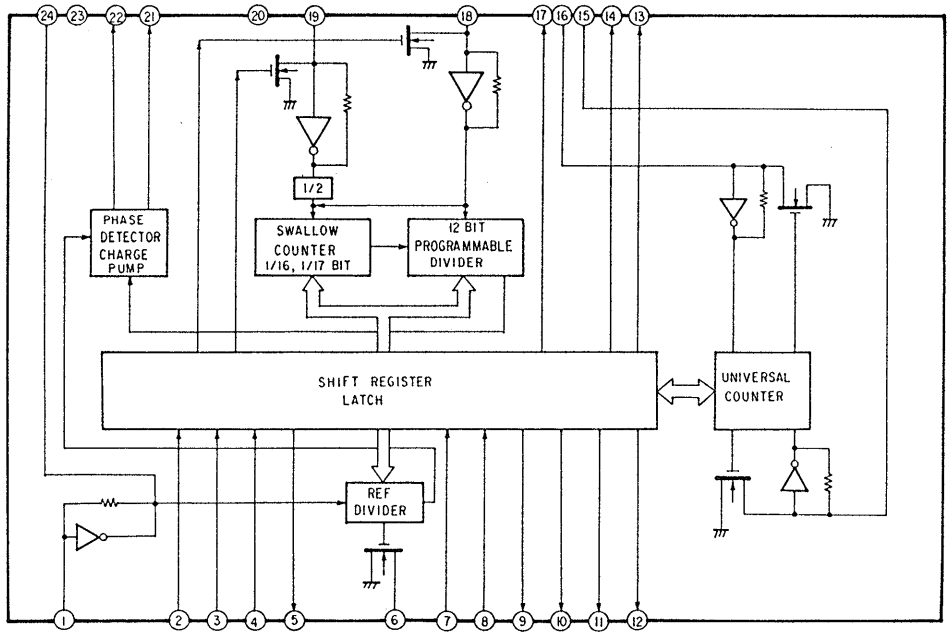
• o—— : parts extracted from the component side.

• IC Block Diagrams

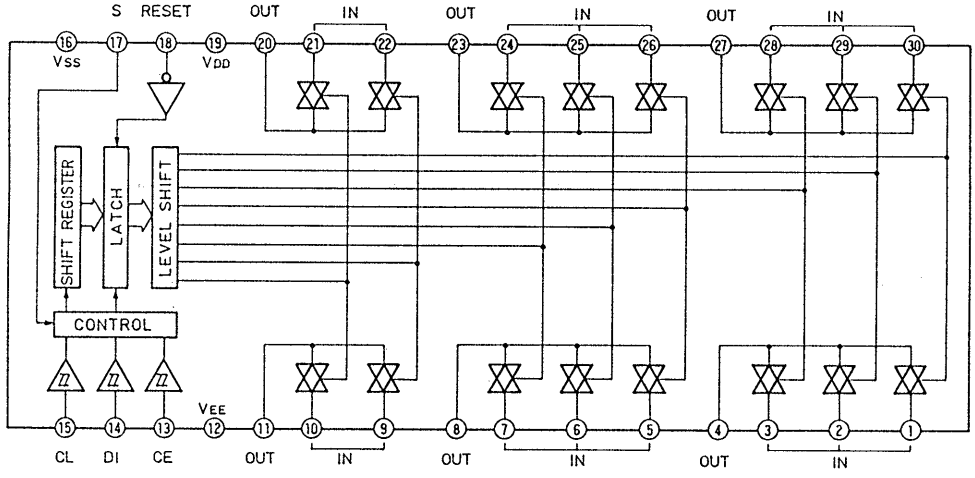
IC21 LA1851N



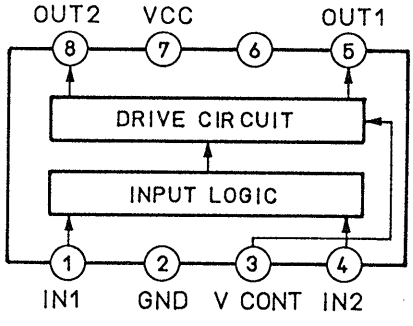
IC81 LC7218



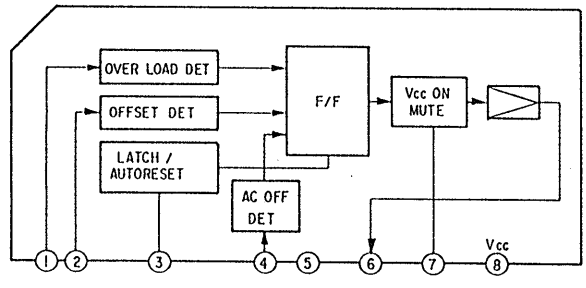
IC201 LC7822



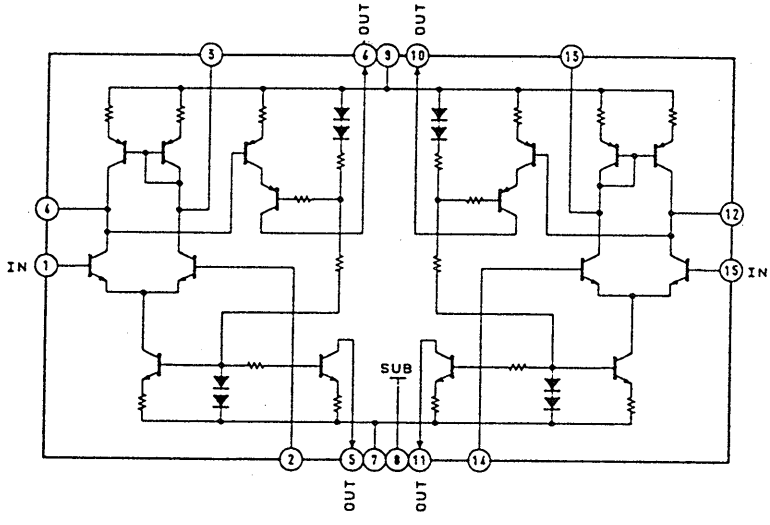
IC203 LB1639



IC804 μPC1237HA



IC701 STK3042MK3



SECTION 4
EXPLODED VIEWS

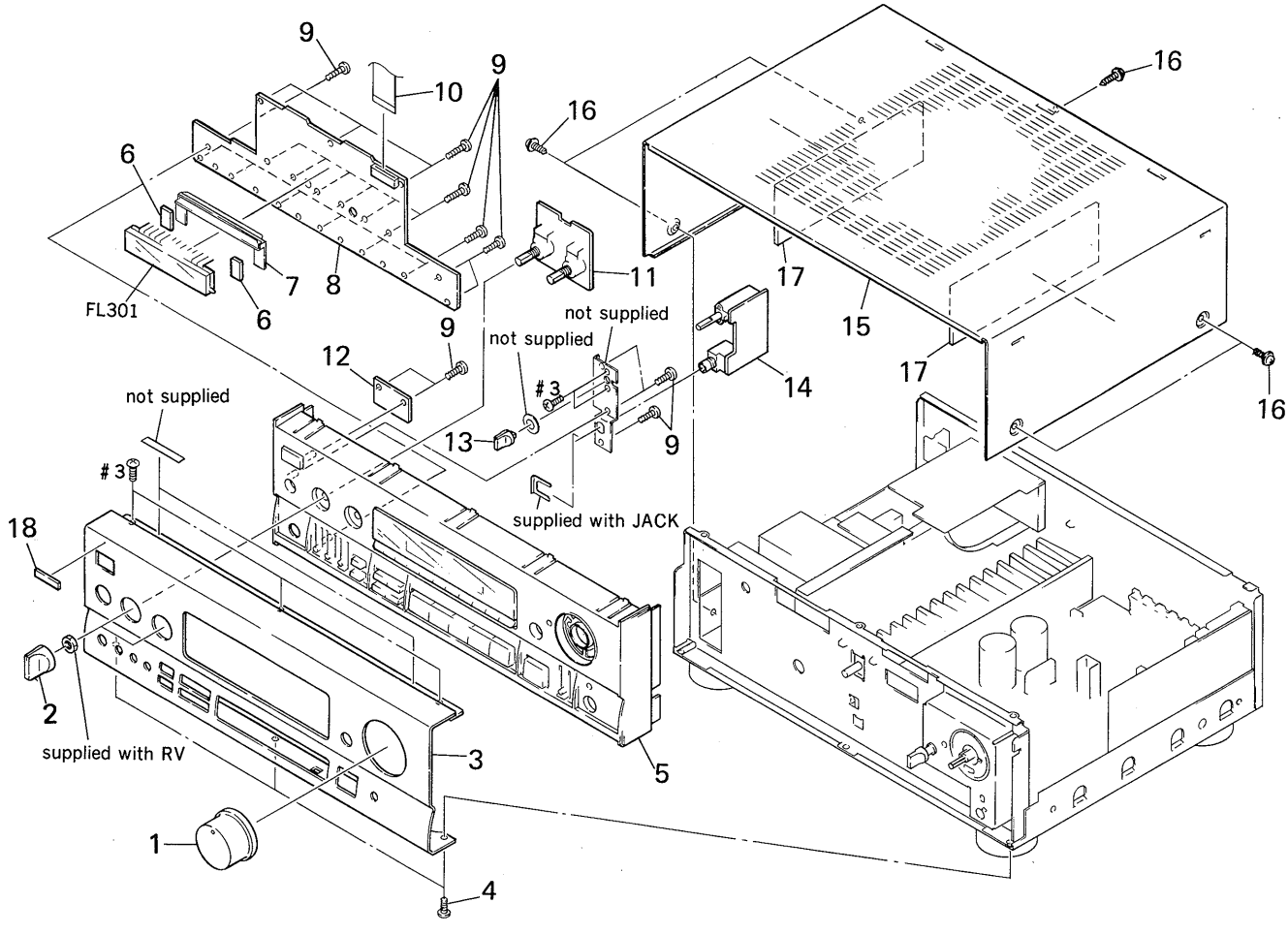
NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE)... (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

- AE2 : North European countries
- AE1 : Other European countries
- G : Germany model

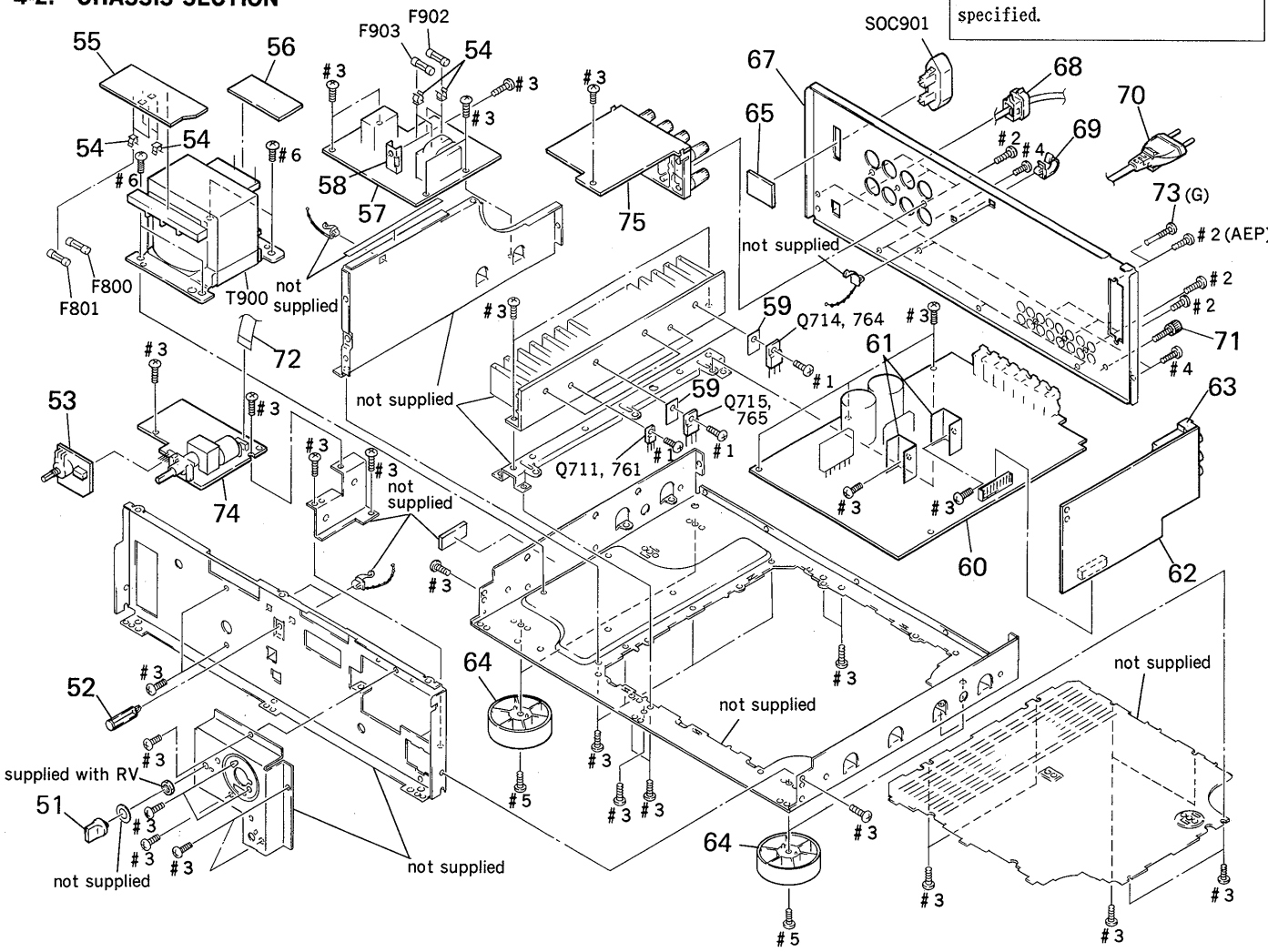
4-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
1	X-4941-650-1	KNOB (A) ASSY	
2	4-951-803-01	KNOB (DIA. 21), FLAT	
3	4-953-113-11	PANEL, FRONT	
4	3-703-685-21	SCREW (+BV 3X8)	
5	X-4942-775-1	PANEL (BASE) ASSY	
* 6	4-949-305-01	CUSHION (FL TUBE)	
* 7	4-923-103-01	HOLDER, FL TUBE	
* 8	A-4356-096-A	DISPLAY BOARD, COMPLETE	
9	4-951-620-01	SCREW (2.6X8), +BVTP	
10	1-696-674-11	WIRE (FLAT TYPE) (23 CORE)	
* 11	1-645-505-11	TONE BOARD	
* 12	1-645-506-11	POWER SW BOARD	
13	4-908-097-21	KNOB	
* 14	1-645-503-11	HEADPHONE BOARD	
15	4-931-031-11	CASE	
16	3-704-366-01	SCREW (CASE) (M3X8)	
17	4-941-230-01	SHEET, DAMPER	
18	4-908-848-01	EMBLEM, SONY	
FL301	1-519-590-11	INDICATOR TUBE, FLUORESCENT	

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

4-2. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
51	4-908-097-21	KNOB	
* 52	3-687-542-11	SPACER, PC BOARD SPACE	
* 53	1-645-571-11	BALANCE BOARD	
54	1-533-225-11	HOLDER, FUSE	
* 55	1-645-573-11	TRANS-2 BOARD	
* 56	1-645-572-11	TRANS-1 BOARD	
* 57	A-4356-103-A	POWER BOARD, COMPLETE (AE1, AE2)	
* 57	A-4356-104-A	POWER BOARD, COMPLETE (G)	
* 58	3-309-144-21	HEAT SINK	
59	4-911-232-01	SHEET, INSULATING	
* 60	A-4356-087-A	MAIN BOARD, COMPLETE (AE1)	
* 60	A-4356-088-A	MAIN BOARD, COMPLETE (G)	
* 60	A-4356-442-A	MAIN BOARD, COMPLETE (AE2)	
* 61	4-880-403-11	HEAT SINK	
* 62	A-4356-111-A	TUNER BOARD, COMPLETE (AE1, AE2)	
* 62	A-4356-112-A	TUNER BOARD, COMPLETE (G)	
* 63	4-924-988-11	PLATE (ST), GROUND	
64	X-4941-617-1	FOOT (58175) ASSY	
* 65	1-645-574-11	OUTLET BOARD	
* 67	4-953-107-31	PANEL, BACK (AE1)	
* 67	4-953-107-41	PANEL, BACK (AE2)	
* 67	4-953-107-51	PANEL, BACK (G)	

Ref. No.	Part No.	Description	Remark
* 68	3-703-244-00	BUSHING (2104), CORD	
* 69	4-949-235-01	HOOK	
⚠70	1-696-169-11	CORD, POWER	
71	4-947-010-01	SCREW, FEEDER FIXED	
72	1-690-588-11	WIRE, FLAT TYPE (9 CORE)	
73	3-704-242-01	SCREW, TERMINAL, + BVTP CLAW (G)	
* 74	1-645-570-11	VOL BOARD	
* 75	A-4356-443-A	SPEAKER BOARD, COMPLETE (AE1)	
* 75	A-4356-444-A	SPEAKER BOARD, COMPLETE (AE2)	
* 75	A-4356-445-A	SPEAKER BOARD, COMPLETE (G)	
⚠F800	1-532-506-51	FUSE (T6.3A)	
⚠F801	1-532-506-51	FUSE (T6.3A)	
⚠F902	1-532-286-00	FUSE (T2.5A)	
⚠F903	1-532-286-00	FUSE (T2.5A)	
Q711	8-729-209-15	TRANSISTOR 2SD2012	
Q714	8-729-320-83	TRANSISTOR 2SC3855-OY	
Q715	8-729-320-86	TRANSISTOR 2SA1491-OY	
Q761	8-729-209-15	TRANSISTOR 2SD2012	
Q764	8-729-320-83	TRANSISTOR 2SC3855-OY	
Q765	8-729-320-86	TRANSISTOR 2SA1491-OY	
⚠SOC901	1-526-794-11	OUTLET, AC (AC OUTLET)	
⚠T900	1-423-320-11	TRANSFORMER, POWER	

SECTION 5
ELECTRICAL PARTS LIST

BALANCE **DISPLAY**

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u:μ, for example:
  uA..: μA.. uPA..: μPA..
  uPB..: μPB.. uPC..: μPC.. uPD..: μPD..
- CAPACITORS
  uF: μF
- COILS
  uH: μH

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board.

- AE2 : Nouth European countries
- AE1 : Other European countries
- G : Germany model

Ref.No.	Part No.	Description			Remark
*	1-645-571-11	BALANCE BOARD			
		**********			
		< CONNECTOR >			
	CNJ401 1-561-115-00	SOCKET, CONNECTOR 6P			
		< VARIABLE RESISTOR >			
	RV404 1-241-973-11	RES, ADJ, CARBON 100K (VOLUME)			
**********					
*	A-4356-096-A	DISPLAY BOARD COMPLETE			
		**********			
*	4-923-103-01	HOLDER, FL TUBE			
*	4-945-305-01	CUSHION (FL TUBE)			
		< CAPACITOR >			
	C301 1-126-301-11	ELECT	1uF	20%	50V
	C303 1-125-486-11	DOUBLE LAYERS	0.22F		5.5V
	C304 1-164-159-11	CERAMIC	0.1uF		50V
	C305 1-124-907-11	ELECT	10uF	20%	50V
	C306 1-126-301-11	ELECT	1uF	20%	50V
	C307 1-161-494-00	CERAMIC	0.022uF		25V
	C308 1-161-379-00	CERAMIC	0.01uF	20%	25V
	C309 1-164-159-11	CERAMIC	0.1uF		50V
	C310 1-164-159-11	CERAMIC	0.1uF		50V
	C312 1-126-301-11	ELECT	1uF	20%	50V
	C314 1-164-159-11	CERAMIC	0.1uF		50V
		< VIBRATOR >			
	CF301 1-577-101-11	VIBRATOR, CERAMIC			
		< CONNECTOR >			
*	CNP300 1-568-865-11	SOCKET, CONNECTOR 23P			
		< DIODE >			
	D301 8-719-987-63	DIODE	1N4148M		
	D302 8-719-985-53	DIODE	HZS4ALL		
	D303 8-719-200-82	DIODE	11ES2		
	D304 8-719-301-37	LED	SEL2210S-CD (STANDBY)		
	D305 8-719-987-63	DIODE	1N4148M		
	D306 8-719-987-63	DIODE	1N4148M		
	D307 8-719-987-63	DIODE	1N4148M		
	D308 8-719-987-63	DIODE	1N4148M		
	D309 8-719-987-63	DIODE	1N4148M		
	D310 8-719-987-63	DIODE	1N4148M		
	D311 8-719-987-63	DIODE	1N4148M		
	D313 8-719-987-63	DIODE	1N4148M		
	D317 8-719-301-37	LED	SEL2210S-CD (TAPE2/MONITOR)		
	D318 8-719-301-49	LED	SEL2810A (SOURCE DIRECT)		
	D320 8-719-987-63	DIODE	1N4148M		
		< CONNECTOR >			
*	DR20 1-564-337-00	PIN, CONNECTOR 3P			
	DR22 1-506-615-11	PIN, CONNECTOR 9P			
		< FLUORESCENT INDICATOR >			
	FL301 1-519-590-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
	IC301 8-759-078-29	IC	uPD75206-GF-723-3BE		
	IC302 8-759-801-57	IC	LB1494		
	IC303 8-749-920-83	IC	GP1U52XB		
		< COIL >			
	L301 1-410-509-11	INDUCTOR	10uH		
		< TRANSISTOR >			
	Q302 8-729-900-36	TRANSISTOR	DTC124ES		
		< RESISTOR >			
	R301 1-249-429-11	CARBON	10K	5%	1/4W
	R303 1-249-417-11	CARBON	1K	5%	1/4W
	R304 1-249-441-11	CARBON	100K	5%	1/4W
	R305 1-249-405-11	CARBON	100	5%	1/4W
	R306 1-249-405-11	CARBON	100	5%	1/4W
	R309 1-249-405-11	CARBON	100	5%	1/4W

DISPLAY **HEADPHONE** **MAIN**

Ref. No.	Part No.	Description			Remark
R311	1-249-441-11	CARBON	100K	5%	1/4W
R312	1-249-429-11	CARBON	10K	5%	1/4W
R316	1-249-411-11	CARBON	330	5%	1/4W
R317	1-249-411-11	CARBON	330	5%	1/4W
R318	1-249-411-11	CARBON	330	5%	1/4W
R321	1-249-411-11	CARBON	330	5%	1/4W
R322	1-249-411-11	CARBON	330	5%	1/4W
R323	1-249-411-11	CARBON	330	5%	1/4W
R324	1-249-411-11	CARBON	330	5%	1/4W
R325	1-249-425-11	CARBON	4.7K	5%	1/4W
R326	1-249-425-11	CARBON	4.7K	5%	1/4W
R327	1-249-425-11	CARBON	4.7K	5%	1/4W
R328	1-249-425-11	CARBON	4.7K	5%	1/4W
R334	1-249-429-11	CARBON	10K	5%	1/4W
R338	1-249-437-11	CARBON	47K	5%	1/4W
R339	1-249-437-11	CARBON	47K	5%	1/4W
R340	1-249-437-11	CARBON	47K	5%	1/4W
R341	1-249-437-11	CARBON	47K	5%	1/4W
R342	1-249-437-11	CARBON	47K	5%	1/4W
R343	1-249-437-11	CARBON	47K	5%	1/4W
R345	1-249-437-11	CARBON	47K	5%	1/4W
R346	1-249-437-11	CARBON	47K	5%	1/4W
R347	1-249-423-11	CARBON	3.3K	5%	1/4W
R348	1-249-437-11	CARBON	47K	5%	1/4W
R349	1-249-437-11	CARBON	47K	5%	1/4W
R360	1-249-433-11	CARBON	22K	5%	1/4W
R361	1-249-437-11	CARBON	47K	5%	1/4W
R362	1-249-437-11	CARBON	47K	5%	1/4W
R363	1-249-437-11	CARBON	47K	5%	1/4W
R364	1-249-437-11	CARBON	47K	5%	1/4W
R365	1-249-437-11	CARBON	47K	5%	1/4W
R370	1-249-437-11	CARBON	47K	5%	1/4W
R371	1-249-437-11	CARBON	47K	5%	1/4W
R372	1-249-437-11	CARBON	47K	5%	1/4W
R374	1-249-437-11	CARBON	47K	5%	1/4W

< SWITCH >

S301	1-554-303-21	SWITCH, TACTILE	(SHIFT)
S302	1-554-303-21	SWITCH, TACTILE	(3)
S303	1-554-303-21	SWITCH, TACTILE	(2)
S304	1-554-303-21	SWITCH, TACTILE	(1)
S305	1-554-303-21	SWITCH, TACTILE	(0)
S306	1-554-303-21	SWITCH, TACTILE	(6)
S307	1-554-303-21	SWITCH, TACTILE	(5)
S308	1-554-303-21	SWITCH, TACTILE	(4)
S309	1-554-303-21	SWITCH, TACTILE	(MEMORY)
S310	1-554-303-21	SWITCH, TACTILE	(9)
S311	1-554-303-21	SWITCH, TACTILE	(8)
S312	1-554-303-21	SWITCH, TACTILE	(7)
S313	1-554-303-21	SWITCH, TACTILE	(TAPE2/MONITOR)
S314	1-554-303-21	SWITCH, TACTILE	(CD)
S315	1-554-303-21	SWITCH, TACTILE	(TUNER)
S316	1-554-303-21	SWITCH, TACTILE	(PHONO)
S317	1-554-303-21	SWITCH, TACTILE	(VIDEO)
S318	1-554-303-21	SWITCH, TACTILE	(TAPE1)
S319	1-554-303-21	SWITCH, TACTILE	(TUNING DIRECT)
S320	1-554-303-21	SWITCH, TACTILE	(AM)
S321	1-554-303-21	SWITCH, TACTILE	(TUNING+)
S322	1-554-303-21	SWITCH, TACTILE	(PRESET TUNING+)
S323	1-554-303-21	SWITCH, TACTILE	(FM MODE)
S324	1-554-303-21	SWITCH, TACTILE	(FM)
S325	1-554-303-21	SWITCH, TACTILE	(TUNING-)
S326	1-554-303-21	SWITCH, TACTILE	(PRESET TUNING-)
S328	1-554-303-21	SWITCH, TACTILE	(SOURCE DIRECT)

****

* 1-645-503-11 HEADPHONE BOARD

****

< CAPACITOR >

C703	1-164-073-11	CERAMIC	100PF	10%	50V (G)
C753	1-164-073-11	CERAMIC	100PF	10%	50V (G)

< CONNECTOR >

EH28 1-691-768-11 PLUG (MICRO CONNECTOR) 6P

< JACK >

J701 1-573-203-11 JACK, LARGE TYPE (HEADPHONES)

< RESISTOR >

R706	1-247-754-11	CARBON	1.5K	5%	1/2W
R707	1-247-754-11	CARBON	1.5K	5%	1/2W
R756	1-247-754-11	CARBON	1.5K	5%	1/2W
R757	1-247-754-11	CARBON	1.5K	5%	1/2W

< SWITCH >

S701 1-571-973-11 SWITCH, ROTARY (SPEAKER)

****

* A-4356-087-A MAIN BOARD COMPLETE (AE1)
* A-4356-088-A MAIN BOARD COMPLETE (G)
* A-4356-442-A MAIN BOARD COMPLETE (AE2)

****

* 4-880-403-11 HEAT SINK

< CAPACITOR >

C201	1-164-073-11	CERAMIC	100PF	10%	50V
C203	1-126-204-11	ELECT	220uF	20%	25V

MAIN

Ref. No.	Part No.	Description			Remark
C204	1-136-162-00	FILM	0.056uF	5%	50V
C205	1-137-471-11	FILM	0.016uF	5%	50V
C206	1-124-907-11	ELECT	10uF	20%	50V
C207	1-124-477-11	ELECT	47uF	20%	25V
C208	1-124-477-11	ELECT	47uF	20%	25V
C209	1-164-077-11	CERAMIC	220PF	10%	50V (G)
C210	1-164-077-11	CERAMIC	220PF	10%	50V (G)
C211	1-164-077-11	CERAMIC	220PF	10%	50V (G)
C212	1-164-077-11	CERAMIC	220PF	10%	50V (G)
C213	1-164-077-11	CERAMIC	220PF	10%	50V (G)
C214	1-164-077-11	CERAMIC	220PF	10%	50V (G)
C215	1-164-077-11	CERAMIC	220PF	10%	50V (G)
C216	1-161-494-00	CERAMIC	0.022uF		25V
C217	1-161-494-00	CERAMIC	0.022uF		25V
C218	1-124-925-11	ELECT	2.2uF	20%	100V
C219	1-124-907-11	ELECT	10uF	20%	50V
C220	1-126-163-11	ELECT	4.7uF	20%	50V
C221	1-164-073-11	CERAMIC	100PF	10%	50V (G)
C230	1-164-075-11	CERAMIC	150PF	10%	50V (G)
C231	1-124-927-11	ELECT	4.7uF	20%	100V
C251	1-164-073-11	CERAMIC	100PF	10%	50V
C253	1-126-204-11	ELECT	220uF	20%	25V
C254	1-136-162-00	FILM	0.056uF	5%	50V
C255	1-137-471-11	FILM	0.016uF	5%	50V
C256	1-124-907-11	ELECT	10uF	20%	50V
C259	1-164-077-11	CERAMIC	220PF	10%	50V (G)
C260	1-164-077-11	CERAMIC	220PF	10%	50V (G)
C261	1-164-077-11	CERAMIC	220PF	10%	50V (G)
C262	1-164-077-11	CERAMIC	220PF	10%	50V (G)
C263	1-164-077-11	CERAMIC	220PF	10%	50V (G)
C264	1-164-077-11	CERAMIC	220PF	10%	50V (G)
C265	1-164-077-11	CERAMIC	220PF	10%	50V (G)
C268	1-124-925-11	ELECT	2.2uF	20%	100V
C270	1-126-163-11	ELECT	4.7uF	20%	50V
C271	1-164-073-11	CERAMIC	100PF	10%	50V (G)
C280	1-164-075-11	CERAMIC	150PF	10%	50V (G)
C299	1-124-903-11	ELECT	1uF	20%	50V
C711	1-164-077-11	CERAMIC	220PF	10%	50V
C712	1-124-927-11	ELECT	4.7uF	20%	100V
C713	1-162-219-31	CERAMIC	68PF	5%	50V
C714	1-124-122-11	ELECT	100uF	20%	50V
C715	1-164-039-11	CERAMIC	3PF	0.25PF	50V
C716	1-124-913-11	ELECT	470uF	20%	50V
C718	1-164-050-11	CERAMIC	15PF	5%	50V
C719	1-126-051-11	ELECT	47uF	20%	50V
C720	1-102-233-00	CERAMIC	33PF	10%	500V
C721	1-102-233-00	CERAMIC	33PF	10%	500V
C728	1-162-294-31	CERAMIC	0.001uF	10%	50V (G)
C749	1-164-073-11	CERAMIC	100PF	10%	50V (G)

Ref. No.	Part No.	Description			Remark
C761	1-164-077-11	CERAMIC	220PF	10%	50V
C762	1-124-927-11	ELECT	4.7uF	20%	100V
C763	1-162-219-31	CERAMIC	68PF	5%	50V
C764	1-124-122-11	ELECT	100uF	20%	50V
C765	1-164-039-11	CERAMIC	3PF	0.25PF	50V
C766	1-124-913-11	ELECT	470uF	20%	50V
C768	1-164-050-11	CERAMIC	15PF	5%	50V
C769	1-126-051-11	ELECT	47uF	20%	50V
C770	1-102-233-00	CERAMIC	33PF	10%	500V
C771	1-102-233-00	CERAMIC	33PF	10%	500V
C799	1-164-073-11	CERAMIC	100PF	10%	50V (G)
C820	1-124-907-11	ELECT	10uF	20%	50V
C821	1-124-907-11	ELECT	10uF	20%	50V
C822	1-124-907-11	ELECT	10uF	20%	50V
C824	1-124-922-11	ELECT	1000uF	20%	50V
C825	1-124-922-11	ELECT	1000uF	20%	50V
C826	1-124-477-11	ELECT	47uF	20%	25V
C827	1-124-477-11	ELECT	47uF	20%	25V
C828	1-136-153-00	FILM	0.01uF	5%	50V
C829	1-136-153-00	FILM	0.01uF	5%	50V
C840	1-136-153-00	FILM	0.01uF	5%	50V
C841	1-136-153-00	FILM	0.01uF	5%	50V
C842	1-136-159-00	FILM	0.033uF	5%	50V
C843	1-136-159-00	FILM	0.033uF	5%	50V
C846	1-104-479-11	ELECT	6800uF	20%	50V
C847	1-104-479-11	ELECT	6800uF	20%	50V
C848	1-106-379-12	MYLAR	0.033uF	5%	200V
C849	1-106-379-12	MYLAR	0.033uF	5%	200V
C850	1-162-294-31	CERAMIC	0.001uF	10%	50V
C851	1-126-101-11	ELECT	100uF	20%	16V
C852	1-124-927-11	ELECT	4.7uF	20%	100V
C853	1-124-482-11	ELECT	33uF	20%	35V
C854	1-164-159-11	CERAMIC	0.1uF		50V
C857	1-124-903-11	ELECT	1uF	20%	50V
C858	1-126-176-11	ELECT	220uF	20%	10V
C899	1-130-789-00	FILM (AE2, G)	1uF	5%	100V
		< CONNECTOR >			
CN604	1-564-507-11	PLUG, CONNECTOR 4P			
		< JACK >			
CNJ201	1-566-882-61	JACK, PIN 4P (CD IN, PHONO IN)			
* CNJ202	1-566-883-51	JACK, PIN 6P (VIDEO OUT, TAPE IN/OUT)			
* CNJ203	1-566-883-51	JACK, PIN 6P (TAPE2 MONITOR IN/OUT, VIDEO IN)			

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
* CNJ702	1-568-828-11	SOCKET, CONNECTOR 9P	
* CNP110	1-565-504-11	CONNECTOR, BOARD TO BOARD 13P	
* CNP310	1-568-839-11	SOCKET, CONNECTOR 23P	
		< DIODE >	
D201	8-719-987-63	DIODE 1N4148M	
D202	8-719-987-63	DIODE 1N4148M	
D711	8-719-987-63	DIODE 1N4148M	
D713	8-719-815-85	DIODE 1S1585	
D714	8-719-815-85	DIODE 1S1585	
D761	8-719-987-63	DIODE 1N4148M	
D763	8-719-815-85	DIODE 1S1585	
D764	8-719-815-85	DIODE 1S1585	
D820	8-719-934-00	DIODE HZS22-2L	
D822	8-719-200-82	DIODE 11ES2	
D823	8-719-200-82	DIODE 11ES2	
D824	8-719-302-38	DIODE RBV-602-01	
D825	8-719-200-82	DIODE 11ES2	
D826	8-719-200-82	DIODE 11ES2	
D827	8-719-200-82	DIODE 11ES2	
D828	8-719-200-82	DIODE 11ES2	
D829	8-719-200-82	DIODE 11ES2	
		< CONNECTOR >	
* EH10	1-564-506-11	PLUG, CONNECTOR 3P	
* EH11	1-564-506-11	PLUG, CONNECTOR 3P	
		< GROUND PLATE >	
* EPT700	3-346-266-21	PLATE, GROUND	
		< IC >	
IC201	8-759-805-14	IC LC7822	
IC202	8-759-106-41	IC uPC4570C	
IC203	8-759-820-62	IC LB1639	
IC701	8-749-921-60	IC STK3042MK3	
IC802	8-759-501-47	IC LM78M12	
IC803	8-759-929-65	IC LM7912CT	
IC804	8-759-111-68	IC uPC1237HA	
		< COIL >	
L201	1-410-979-11	INDUCTOR 220uH (G)	
L251	1-410-979-11	INDUCTOR 220uH (G)	
		< TRANSISTOR >	
Q201	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q202	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q203	8-729-900-63	TRANSISTOR DTA124ES	
Q204	8-729-900-63	TRANSISTOR DTA124ES	
Q205	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q206	8-729-900-63	TRANSISTOR DTA124ES	
Q251	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q712	8-729-141-46	TRANSISTOR 2SC4431-LK	
Q713	8-729-141-37	TRANSISTOR 2SA1684-LK	
Q716	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q721	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q762	8-729-141-46	TRANSISTOR 2SC4431-LK	
Q763	8-729-141-37	TRANSISTOR 2SA1684-LK	
Q766	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q771	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q820	8-729-141-06	TRANSISTOR 2SA1142-QPE	
Q821	8-729-620-05	TRANSISTOR 2SC2603-EF	
		< RESISTOR >	
R201	1-247-706-11	CARBON 330 5% 1/4W (AE1, AE2)	
R201	1-259-436-11	CARBON 2.2K 5% 1/6W (G)	
R202	1-249-417-11	CARBON 1K 5% 1/4W (G)	
R203	1-249-417-11	CARBON 1K 5% 1/4W	
R204	1-249-417-11	CARBON 1K 5% 1/4W (G)	
R205	1-249-417-11	CARBON 1K 5% 1/4W	
R206	1-249-417-11	CARBON 1K 5% 1/4W (G)	
R207	1-249-417-11	CARBON 1K 5% 1/4W	
R209	1-249-417-11	CARBON 1K 5% 1/4W (G)	
R210	1-249-469-11	CARBON 100K 5% 1/4W	
R212	1-247-706-11	CARBON 330 5% 1/4W (G)	
R213	1-249-469-11	CARBON 100K 5% 1/4W	
R214	1-247-700-11	CARBON 100 5% 1/4W	
R215	1-249-466-11	CARBON 56K 5% 1/4W	
R216	1-247-721-11	CARBON 4.7K 5% 1/4W	
R218	1-247-704-11	CARBON 220 5% 1/4W	
R219	1-247-903-00	CARBON 1M 5% 1/4W	
R221	1-247-903-00	CARBON 1M 5% 1/4W	
R223	1-247-903-00	CARBON 1M 5% 1/4W	
R224	1-247-903-00	CARBON 1M 5% 1/4W	
R225	1-249-425-11	CARBON 4.7K 5% 1/4W	
R226	1-249-425-11	CARBON 4.7K 5% 1/4W	
R227	1-249-441-11	CARBON 100K 5% 1/4W	
R228	1-249-429-11	CARBON 10K 5% 1/4W	
R229	1-249-429-11	CARBON 10K 5% 1/4W	
R230	1-249-433-11	CARBON 22K 5% 1/4W	
R231	1-249-433-11	CARBON 22K 5% 1/4W	
R232	1-247-885-00	CARBON 180K 5% 1/4W	
R233	1-249-441-11	CARBON 100K 5% 1/4W	
R234	1-249-413-11	CARBON 470 5% 1/4W	
R235	1-249-417-11	CARBON 1K 5% 1/4W	

MAIN

Ref. No.	Part No.	Description			Remark
R236	1-249-417-11	CARBON	1K	5%	1/4W
R237	1-249-417-11	CARBON	1K	5%	1/4W
R238	1-247-885-00	CARBON	180K	5%	1/4W
R239	1-249-425-11	CARBON	4.7K	5%	1/4W
R251	1-247-706-11	CARBON (AE1, AE2)	330	5%	1/4W
R251	1-259-436-11	CARBON	2.2K	5%	1/6W (G)
R252	1-249-417-11	CARBON	1K	5%	1/4W (G)
R253	1-249-417-11	CARBON	1K	5%	1/4W
R254	1-249-417-11	CARBON	1K	5%	1/4W (G)
R255	1-249-417-11	CARBON	1K	5%	1/4W
R256	1-249-417-11	CARBON	1K	5%	1/4W (G)
R257	1-249-417-11	CARBON	1K	5%	1/4W
R259	1-249-417-11	CARBON	1K	5%	1/4W (G)
R260	1-249-469-11	CARBON	100K	5%	1/4W
R262	1-247-706-11	CARBON	330	5%	1/4W (G)
R263	1-249-469-11	CARBON	100K	5%	1/4W
R264	1-247-700-11	CARBON	100	5%	1/4W
R265	1-249-466-11	CARBON	56K	5%	1/4W
R266	1-247-721-11	CARBON	4.7K	5%	1/4W
R268	1-247-704-11	CARBON	220	5%	1/4W
R269	1-247-903-00	CARBON	1M	5%	1/4W
R271	1-247-903-00	CARBON	1M	5%	1/4W
R273	1-247-903-00	CARBON	1M	5%	1/4W
R274	1-247-903-00	CARBON	1M	5%	1/4W
R276	1-249-425-11	CARBON	4.7K	5%	1/4W
R289	1-249-425-11	CARBON	4.7K	5%	1/4W
R412	1-247-887-00	CARBON	220K	5%	1/4W
R462	1-247-887-00	CARBON	220K	5%	1/4W
R711	1-249-417-11	CARBON	1K	5%	1/4W
R712	1-247-878-00	CARBON	91K	5%	1/4W
R713	1-249-415-11	CARBON	680	5%	1/4W
R714	1-249-413-11	CARBON	470	5%	1/4W
R715	1-249-441-11	CARBON	100K	5%	1/4W
R716	1-249-417-11	CARBON	1K	5%	1/4W
R718	1-249-412-11	CARBON	390	5%	1/4W
⚠R719	1-247-704-11	CARBON	220	5%	1/4W F
⚠R720	1-249-455-11	CARBON	4.7	5%	1/4W F
⚠R721	1-249-455-11	CARBON	4.7	5%	1/4W F
⚠R722	1-217-611-00	RES, METAL PLATE			0.1
⚠R723	1-217-611-00	RES, METAL PLATE			0.1
R724	1-249-417-11	CARBON	1K	5%	1/4W
⚠R732	1-249-405-11	CARBON	100	5%	1/4W F
⚠R733	1-249-405-11	CARBON	100	5%	1/4W F
⚠R741	1-249-421-11	CARBON	2.2K	5%	1/4W F
R742	1-249-431-11	CARBON	15K	5%	1/4W
R743	1-247-887-00	CARBON	220K	5%	1/4W
R744	1-249-425-11	CARBON	4.7K	5%	1/4W
R761	1-249-417-11	CARBON	1K	5%	1/4W
R762	1-247-878-00	CARBON	91K	5%	1/4W
R763	1-249-415-11	CARBON	680	5%	1/4W
R764	1-249-413-11	CARBON	470	5%	1/4W
R765	1-249-441-11	CARBON	100K	5%	1/4W
R766	1-249-417-11	CARBON	1K	5%	1/4W
R768	1-249-412-11	CARBON	390	5%	1/4W
⚠R769	1-247-704-11	CARBON	220	5%	1/4W F
⚠R770	1-249-455-11	CARBON	4.7	5%	1/4W F
⚠R771	1-249-455-11	CARBON	4.7	5%	1/4W F
⚠R772	1-217-611-00	RES, METAL PLATE			0.1
⚠R773	1-217-611-00	RES, METAL PLATE			0.1
R774	1-249-417-11	CARBON	1K	5%	1/4W
⚠R782	1-249-405-11	CARBON	100	5%	1/4W F
⚠R783	1-249-405-11	CARBON	100	5%	1/4W F
⚠R791	1-249-421-11	CARBON	2.2K	5%	1/4W F
R792	1-249-431-11	CARBON	15K	5%	1/4W
R793	1-247-887-00	CARBON	220K	5%	1/4W
R794	1-249-425-11	CARBON	4.7K	5%	1/4W
R820	1-249-429-11	CARBON	10K	5%	1/4W
⚠R821	1-247-752-11	CARBON	1K	5%	1/2W F
R822	1-249-433-11	CARBON	22K	5%	1/4W
R825	1-249-429-11	CARBON	10K	5%	1/4W
R826	1-247-887-00	CARBON	220K	5%	1/4W
R827	1-247-881-00	CARBON	120K	5%	1/4W
R828	1-249-432-11	CARBON	18K	5%	1/4W
R829	1-249-439-11	CARBON	68K	5%	1/4W
R830	1-249-437-11	CARBON	47K	5%	1/4W
R831	1-249-417-11	CARBON	1K	5%	1/4W
⚠R899	1-212-966-00	FUSIBLE (AE2, G)	22	5%	1/2W F

< VARIABLE RESISTOR >

RV711	1-238-011-11	RES, ADJ, CARBON 470
RV761	1-238-011-11	RES, ADJ, CARBON 470

< RELAY >

RY201	1-515-793-11	RELAY

< CONNECTOR >

* VH10	1-564-243-00	PIN, CONNECTOR 6P
* VH23	1-564-243-00	PIN, CONNECTOR 6P

< THERMISTOR(POSITIVE) >

⚠THP801	1-806-882-11	THERMISTOR, POSITIVE 2.2 (AE2)
⚠THP802	1-806-882-11	THERMISTOR, POSITIVE 2.2 (AE2)
⚠THP803	1-806-882-11	THERMISTOR, POSITIVE 2.2 (AE2)
⚠THP804	1-806-882-11	THERMISTOR, POSITIVE 2.2 (AE2)

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The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

OUTLET POWER

Ref. No.	Part No.	Description			Remark
*	1-645-574-11	OUTLET BOARD			
		**********			
		< CONNECTOR >			
* SE20	1-580-614-21	PIN, CONNECTOR 2P			
**********					
*	A-4356-103-A	POWER BOARD COMPLETE (AE1, AE2)			
*	A-4356-104-A	POWER BOARD COMPLETE (G)			
		**********			
	1-533-225-11	HOLDER, FUSE			
*	3-309-144-21	HEAT SINK			
	7-682-548-04	SCREW +BVTT 3X8 (S)			
		< CAPACITOR >			
C801	1-101-004-00	CERAMIC	0.01uF		50V
C802	1-101-004-00	CERAMIC	0.01uF		50V
C803	1-162-282-31	CERAMIC	100PF	10%	50V
C804	1-124-907-11	ELECT	10uF	20%	50V
C805	1-124-477-11	ELECT	47uF	20%	25V
C806	1-124-464-11	ELECT	0.22uF	20%	50V
C807	1-124-902-00	ELECT	0.47uF	20%	50V
C808	1-162-306-11	CERAMIC	0.01uF	20%	16V
C809	1-124-557-11	ELECT	1000uF	20%	25V
C810	1-124-925-11	ELECT	2.2uF	20%	100V
C901	1-161-744-00	CERAMIC	0.01uF		400V
		< DIODE >			
D801	8-719-987-63	DIODE	1N4148M		
D802	8-719-200-82	DIODE	11ES2		
D803	8-719-200-82	DIODE	11ES2		
D804	8-719-200-82	DIODE	11ES2		
D805	8-719-200-82	DIODE	11ES2		
D806	8-719-200-82	DIODE	11ES2		
D807	8-719-200-82	DIODE	11ES2		
D808	8-719-933-41	DIODE	HZS6C3L		
D809	8-719-985-53	DIODE	HZS4ALL		
D810	8-719-987-63	DIODE	1N4148M		
D811	8-719-933-41	DIODE	HZS6C3L		
D812	8-719-014-66	DIODE	UZP-5.6B		
		< CONNECTOR >			
DR12	1-691-763-51	PIN, CONNECTOR 8P			
* EH16	1-564-506-11	PLUG, CONNECTOR 3P			
		< GROUND PLATE >			
* EPT800	3-346-266-21	PLATE, GROUND			

Ref. No.	Part No.	Description			Remark
		< FUSE >			
⚠F902	1-532-286-00	FUSE (T2.5A)			
⚠F903	1-532-286-00	FUSE (T2.5A)			
		< TRANSISTOR >			
Q802	8-729-620-05	TRANSISTOR	2SC2603-EF		
Q803	8-729-209-15	TRANSISTOR	2SD2012		
Q804	8-729-620-05	TRANSISTOR	2SC2603-EF		
Q805	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q806	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q807	8-729-900-63	TRANSISTOR	DTA124ES		
Q808	8-729-620-05	TRANSISTOR	2SC2603-EF		
Q809	8-729-900-89	TRANSISTOR	DTC144ES		
		< RESISTOR >			
⚠R801	1-247-691-11	CARBON	18	5%	1/4W F
R802	1-249-417-11	CARBON	1K	5%	1/4W
R804	1-249-433-11	CARBON	22K	5%	1/4W
R805	1-249-437-11	CARBON	47K	5%	1/4W
R806	1-249-425-11	CARBON	4.7K	5%	1/4W
R807	1-249-433-11	CARBON	22K	5%	1/4W
R808	1-249-417-11	CARBON	1K	5%	1/4W
R809	1-249-429-11	CARBON	10K	5%	1/4W
R810	1-249-429-11	CARBON	10K	5%	1/4W
R812	1-249-426-11	CARBON	5.6K	5%	1/4W
R813	1-249-417-11	CARBON	1K	5%	1/4W
R814	1-249-426-11	CARBON	5.6K	5%	1/4W
R815	1-247-895-00	CARBON	470K	5%	1/4W
⚠R915	1-212-855-00	FUSIBLE	8.2	5%	1/4W F
⚠R916	1-212-855-00	FUSIBLE	8.2	5%	1/4W F
		< RELAY >			
RY901	1-515-617-11	RELAY			
		< CONNECTOR >			
SE10	1-580-629-21	PIN, CONNECTOR 2P			
		< TRANSFORMER >			
⚠T901	1-448-523-11	TRANSFORMER, POWER			
		< TEST PIN >			
* TP800	1-535-139-00	BASE POST 19MM (10MM PITCH) 2P			
		< CONNECTOR >			
* VH12	1-564-321-00	PIN, CONNECTOR 2P			
* VH14	1-564-321-21	PIN, CONNECTOR 2P			
**********					

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

POWER SW | SPEAKER | TONE

Ref. No.	Part No.	Description			Remark
*	1-645-506-11	POWER SW BOARD			
		**********			
		< CONNECTOR >			
* DR10	1-564-337-00	PIN, CONNECTOR 3P			
		< SWITCH >			
S330	1-554-303-21	SWITCH, TACTILE (POWER)			
**********					
*	A-4356-105-A	SPEAKER BOARD COMPLETE (AE1)			
*	A-4356-106-A	SPEAKER BOARD COMPLETE (AE2)			
*	A-4356-107-A	SPEAKER BOARD COMPLETE (G)			
		**********			
		< CAPACITOR >			
C700	1-136-157-00	FILM	0.022uF	5%	50V (G)
C701	1-164-082-11	CERAMIC	560PF	10%	50V (G)
C702	1-136-157-00	FILM	0.022uF	5%	50V (G)
C704	1-136-161-00	FILM	0.047uF	5%	50V
C705	1-136-161-00	FILM	0.047uF	5%	50V
C750	1-136-157-00	FILM	0.022uF	5%	50V (G)
C751	1-164-082-11	CERAMIC	560PF	10%	50V (G)
C752	1-136-157-00	FILM	0.022uF	5%	50V (G)
C754	1-136-161-00	FILM	0.047uF	5%	50V
C755	1-136-161-00	FILM	0.047uF	5%	50V
		< DIODE >			
D700	8-719-987-63	DIODE	1N4148M		
D701	8-719-987-63	DIODE	1N4148M		
D702	8-719-987-63	DIODE	1N4148M		
D703	8-719-987-63	DIODE	1N4148M		
D750	8-719-987-63	DIODE	1N4148M		
D751	8-719-987-63	DIODE	1N4148M		
		< CONNECTOR >			
EH18	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
		< COIL >			
L711	1-428-133-11	COIL, AIR-CORE			
L761	1-428-133-11	COIL, AIR-CORE			
		< RESISTOR >			
R700	1-247-249-00	CARBON	2.4K	5%	1/2W
R701	1-247-249-00	CARBON	2.4K	5%	1/2W
R702	1-247-249-00	CARBON	2.4K	5%	1/2W
R703	1-247-249-00	CARBON	2.4K	5%	1/2W
R704	1-247-727-11	CARBON	10	5%	1/2W (G)
R705	1-247-727-11	CARBON	10	5%	1/2W (G)
R708	1-247-247-00	CARBON	2K	5%	1/2W
R709	1-247-727-11	CARBON	10	5%	1/2W
R730	1-247-727-11	CARBON	10	5%	1/2W
R750	1-247-249-00	CARBON	2.4K	5%	1/2W
R751	1-247-249-00	CARBON	2.4K	5%	1/2W
R752	1-247-249-00	CARBON	2.4K	5%	1/2W
R753	1-247-249-00	CARBON	2.4K	5%	1/2W
R754	1-247-727-11	CARBON	10	5%	1/2W (G)
R755	1-247-727-11	CARBON	10	5%	1/2W (G)
R759	1-247-727-11	CARBON	10	5%	1/2W
R780	1-247-727-11	CARBON	10	5%	1/2W
		< RELAY >			
RY700	1-515-793-11	RELAY			
RY701	1-515-676-11	RELAY			
RY702	1-515-676-11	RELAY			
		< TERMINAL >			
TM700	1-537-228-11	TERMINAL BOARD (SPEAKERS) (AE1, G)			
TM700	1-537-227-11	TERMINAL BOARD (SPEAKERS) (AE2)			
		< CONNECTOR >			
* VH13	1-564-243-00	PIN, CONNECTOR 6P			
**********					
*	1-645-505-11	TONE BOARD			
		**********			
		< CAPACITOR >			
C405	1-136-155-00	FILM	0.015uF	5%	50V
C406	1-136-161-00	FILM	0.047uF	5%	50V
C407	1-136-169-00	FILM	0.22uF	5%	50V
C408	1-136-175-00	FILM	0.68uF	5%	50V
C455	1-136-155-00	FILM	0.015uF	5%	50V
C456	1-136-161-00	FILM	0.047uF	5%	50V
C457	1-136-169-00	FILM	0.22uF	5%	50V
C458	1-136-175-00	FILM	0.68uF	5%	50V
		< CONNECTOR >			
EH15	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
		< RESISTOR >			
R406	1-259-421-11	CARBON	510	5%	1/6W
R407	1-259-500-11	CARBON	1M	5%	1/6W
R408	1-259-500-11	CARBON	1M	5%	1/6W
R409	1-259-410-11	CARBON	180	5%	1/6W
R410	1-259-438-11	CARBON	2.7K	5%	1/6W

Ref. No.	Part No.	Description			Remark
R411	1-259-427-91	CARBON	910	5%	1/6W
R456	1-259-421-11	CARBON	510	5%	1/6W
R457	1-259-500-11	CARBON	1M	5%	1/6W
R458	1-259-500-11	CARBON	1M	5%	1/6W
R459	1-259-410-11	CARBON	180	5%	1/6W
R460	1-259-438-11	CARBON	2.7K	5%	1/6W
R461	1-259-427-91	CARBON	910	5%	1/6W
		< VARIABLE RESISTOR >			
RV402	1-241-974-11	RES, VAR, CARBON 10K (TREBLE)			
RV403	1-241-972-11	RES, VAR, CARBON 10K (BASS)			
**********					
*	1-645-572-11	TRANS-1 BOARD			
		**********			
		< CONNECTOR >			
* VH24	1-564-321-21	PIN, CONNECTOR 2P			
**********					
*	1-645-573-11	TRANS-2 BOARD			
		**********			
	1-533-225-11	HOLDER, FUSE			
		< CAPACITOR >			
C898	1-161-329-00	CERAMIC	0.0068uF	30%	16V (G)
		< CONNECTOR >			
* EH26	1-564-506-11	PLUG, CONNECTOR 3P			
		< FUSE >			
⚠F800	1-532-506-51	FUSE (T6.3A)			
⚠F801	1-532-506-51	FUSE (T6.3A)			
		< CONNECTOR >			
* VH20	1-564-243-00	PIN, CONNECTOR 6P			
**********					
*	A-4356-111-A	TUNER BOARD COMPLETE (AE1, AE2)			
*	A-4356-112-A	TUNER BOARD COMPLETE (G)			
		**********			
*	4-924-988-11	PLATE (ST), GROUND			
		< CAPACITOR >			
C1	1-161-379-00	CERAMIC	0.01uF	20%	25V (G)
C2	1-124-477-11	ELECT	47uF	20%	25V
C3	1-161-379-00	CERAMIC	0.01uF	20%	25V
C4	1-162-294-31	CERAMIC	0.001uF	10%	50V

Ref. No.	Part No.	Description			Remark
C5	1-161-379-00	CERAMIC	0.01uF	20%	25V
C6	1-161-379-00	CERAMIC	0.01uF	20%	25V
C7	1-161-379-00	CERAMIC	0.01uF	20%	25V
C8	1-161-379-00	CERAMIC	0.01uF	20%	25V
C9	1-162-294-31	CERAMIC	0.001uF	10%	50V
C11	1-164-097-11	CERAMIC	0.022uF		50V
C21	1-161-377-00	CERAMIC	0.0047uF	20%	16V
C22	1-161-379-00	CERAMIC	0.01uF	20%	25V
C23	1-124-477-11	ELECT	47uF	20%	25V
C24	1-123-382-00	ELECT	3.3uF	20%	100V
C25	1-161-379-00	CERAMIC	0.01uF	20%	25V
C26	1-161-329-00	CERAMIC	0.0068uF	30%	16V
C27	1-162-282-31	CERAMIC	100PF	10%	50V
		(AE1, AE2)			
C27	1-162-292-31	CERAMIC	680PF	10%	50V (G)
C28	1-124-903-11	ELECT	1uF	20%	50V
C29	1-162-282-31	CERAMIC	100PF	10%	50V (G)
C30	1-124-903-11	ELECT	1uF	20%	50V
C31	1-124-902-00	ELECT	0.47uF	20%	50V
C32	1-124-463-00	ELECT	0.1uF	20%	50V
C33	1-130-481-00	MYLAR	0.0068uF	5%	50V
C34	1-123-382-00	ELECT	3.3uF	20%	100V
C35	1-130-481-00	MYLAR	0.0068uF	5%	50V
C36	1-123-382-00	ELECT	3.3uF	20%	100V
C37	1-124-907-11	ELECT	10uF	20%	50V
C39	1-164-159-11	CERAMIC	0.1uF		50V
C40	1-164-159-11	CERAMIC	0.1uF		50V
C41	1-124-927-11	ELECT	4.7uF	20%	100V
C42	1-161-379-00	CERAMIC	0.01uF	20%	25V
C43	1-126-176-11	ELECT	220uF	20%	10V
C44	1-161-379-00	CERAMIC	0.01uF	20%	25V
C45	1-123-382-00	ELECT	3.3uF	20%	100V
C46	1-161-375-00	CERAMIC	0.0022uF	20%	50V
C48	1-123-382-00	ELECT	3.3uF	20%	100V
C49	1-161-375-00	CERAMIC	0.0022uF	20%	50V
C51	1-124-477-11	ELECT	47uF	20%	25V
C61	1-161-494-00	CERAMIC	0.022uF		25V
C63	1-161-379-00	CERAMIC	0.01uF	20%	25V
C81	1-162-192-31	CERAMIC	2.7PF	10%	50V
C82	1-162-192-31	CERAMIC	2.7PF	10%	50V
C83	1-161-379-00	CERAMIC	0.01uF	20%	25V
C84	1-161-379-00	CERAMIC	0.01uF	20%	25V
C85	1-161-379-00	CERAMIC	0.01uF	20%	25V
C86	1-124-477-11	ELECT	47uF	20%	25V
C87	1-161-379-00	CERAMIC	0.01uF	20%	25V
C88	1-161-379-00	CERAMIC	0.01uF	20%	25V
C89	1-124-925-11	ELECT	2.2uF	20%	100V
C90	1-164-159-11	CERAMIC	0.1uF		50V
C91	1-161-379-00	CERAMIC	0.01uF	20%	25V

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TUNER

Ref. No.	Part No.	Description	Remark
C93	1-124-477-11	ELECT 47uF 20% 25V	
		< FILTER >	
CF1	1-567-389-11	FILTER, CERAMIC	
CF2	1-567-389-11	FILTER, CERAMIC	
CF3	1-567-389-11	FILTER, CERAMIC	
CF21	1-577-075-11	OSCILLATOR, CERAMIC	
		< TRANSFORMER >	
CFT21	1-404-853-11	TRANSFORMER, IF (CERAMIC FILTER)	
		< CONNECTOR >	
* CNP100	1-565-489-11	CONNECTOR, BOARD TO BOARD 13P	
		< FRONT END >	
FE1	1-463-862-21	FRONT END, FM (AE1, AE2)	
FE1	1-463-857-11	FRONT END (FM) (G)	
FE61	1-236-461-11	ENCAPSULATED COMPONENT	
		< IC >	
IC21	8-759-821-45	IC LA1851N	
IC81	8-759-820-91	IC LC7218	
		< COIL >	
L1	1-410-521-11	INDUCTOR 100uH	
L2	1-410-521-11	INDUCTOR 100uH	
L21	1-410-171-11	INDUCTOR 1mH	
		< FILTER >	
LPF21	1-235-164-00	FILTER, LOW PASS	
LPF22	1-235-164-00	FILTER, LOW PASS	
		< TRANSISTOR >	
Q1	8-729-230-XX	TRANSISTOR 2SC2669-OY	
Q2	8-729-230-XX	TRANSISTOR 2SC2669-OY	
Q3	8-729-230-XX	TRANSISTOR 2SC2669-OY	
Q4	8-729-230-XX	TRANSISTOR 2SC2669-OY	
Q21	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q22	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q23	8-729-900-61	TRANSISTOR DTA114ES	
Q81	8-729-900-61	TRANSISTOR DTA114ES	
Q82	8-729-900-80	TRANSISTOR DTC114ES	
Q83	8-729-202-67	TRANSISTOR 2SK246-GR3	
Q84	8-729-230-93	TRANSISTOR 2SC3113-AB	

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
⚠R1	1-249-401-11	CARBON (AE1, AE2)	47	5% 1/4W	F
⚠R1	1-249-397-11	CARBON	22	5% 1/4W	F (G)
R3	1-249-411-11	CARBON	330	5% 1/4W	
R4	1-249-411-11	CARBON	330	5% 1/4W	
R5	1-249-411-11	CARBON	330	5% 1/4W	
R6	1-249-432-11	CARBON	18K	5% 1/4W	
R7	1-249-411-11	CARBON	330	5% 1/4W	
R8	1-249-414-11	CARBON	560	5% 1/4W	
R9	1-249-434-11	CARBON	27K	5% 1/4W	
R10	1-249-411-11	CARBON	330	5% 1/4W	
R11	1-249-432-11	CARBON	18K	5% 1/4W	
R12	1-249-411-11	CARBON	330	5% 1/4W	
R13	1-249-414-11	CARBON	560	5% 1/4W	
R14	1-249-434-11	CARBON	27K	5% 1/4W	
R15	1-249-429-11	CARBON	10K	5% 1/4W	(G)
R16	1-249-425-11	CARBON	4.7K	5% 1/4W	(G)
⚠R21	1-249-404-00	CARBON	82	5% 1/4W	F
R22	1-249-428-11	CARBON	8.2K	5% 1/4W	
R23	1-249-417-11	CARBON	1K	5% 1/4W	
R24	1-249-435-11	CARBON	33K	5% 1/4W	
R25	1-249-428-11	CARBON	8.2K	5% 1/4W	
R27	1-249-432-11	CARBON	18K	5% 1/4W	
R28	1-249-423-11	CARBON	3.3K	5% 1/4W	
R29	1-249-429-11	CARBON	10K	5% 1/4W	
R31	1-249-413-11	CARBON	470	5% 1/4W	
R32	1-249-429-11	CARBON	10K	5% 1/4W	
R33	1-249-429-11	CARBON	10K	5% 1/4W	
R35	1-249-437-11	CARBON	47K	5% 1/4W	
R37	1-247-891-00	CARBON	330K	5% 1/4W	
R39	1-249-421-11	CARBON	2.2K	5% 1/4W	
R40	1-249-420-11	CARBON	1.8K	5% 1/4W	
R41	1-249-426-11	CARBON	5.6K	5% 1/4W	
R42	1-247-891-00	CARBON	330K	5% 1/4W	
R44	1-249-421-11	CARBON	2.2K	5% 1/4W	
R45	1-249-420-11	CARBON	1.8K	5% 1/4W	
R46	1-249-426-11	CARBON	5.6K	5% 1/4W	
⚠R47	1-249-409-11	CARBON	220	5% 1/4W	F
R61	1-249-441-11	CARBON	100K	5% 1/4W	
R62	1-249-437-11	CARBON	47K	5% 1/4W	
R63	1-249-397-11	CARBON	22	5% 1/4W	
R70	1-249-423-11	CARBON	3.3K	5% 1/4W	
R71	1-249-414-11	CARBON	560	5% 1/4W	
R72	1-249-417-11	CARBON	1K	5% 1/4W	
R73	1-249-410-11	CARBON	270	5% 1/4W	
R74	1-249-425-11	CARBON	4.7K	5% 1/4W	
R75	1-249-421-11	CARBON	2.2K	5% 1/4W	

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Ref. No.	Part No.	Description			Remark
R76	1-249-425-11	CARBON	4.7K	5%	1/4W
R77	1-249-405-11	CARBON	100	5%	1/4W
R78	1-249-425-11	CARBON	4.7K	5%	1/4W
⚠R79	1-249-405-11	CARBON	100	5%	1/4W F
R80	1-249-432-11	CARBON	18K	5%	1/4W
R81	1-249-417-11	CARBON	1K	5%	1/4W
R82	1-249-417-11	CARBON	1K	5%	1/4W
R83	1-249-417-11	CARBON	1K	5%	1/4W
R84	1-249-417-11	CARBON	1K	5%	1/4W
R85	1-249-429-11	CARBON	10K	5%	1/4W
R86	1-249-417-11	CARBON	1K	5%	1/4W
R87	1-249-429-11	CARBON	10K	5%	1/4W
R88	1-249-425-11	CARBON	4.7K	5%	1/4W
R89	1-249-417-11	CARBON	1K	5%	1/4W
R91	1-249-417-11	CARBON	1K	5%	1/4W
⚠R92	1-249-401-11	CARBON	47	5%	1/4W F
R93	1-249-417-11	CARBON	1K	5%	1/4W
		< VARIABLE RESISTOR >			
RV21	1-238-599-11	RES, ADJ, CARBON 4.7K			
RV23	1-238-604-11	RES, ADJ, CARBON 220K			
RV24	1-238-601-11	RES, ADJ, CARBON 22K			
RV25	1-238-601-11	RES, ADJ, CARBON 22K			
		< TRANSFORMER >			
T21	1-404-807-11	TRANSFORMER, DISCRIMINATOR			
T23	1-236-465-11	ENCAPSULATED COMPONENT (G)			
		< TERMINAL >			
* TM1	1-537-138-31	TERMINAL BOARD (ANTENNA)			
		< TEST PIN >			
* TP1	1-561-649-00	SOCKET, CONNECTOR 2P			
		< VIBRATOR >			
XT81	1-577-126-11	VIBRATOR, CRYSTAL (7.2MHz)			
**********					
*	1-645-570-11	VOL BOARD			
		*********			
		< CAPACITOR >			
C401	1-124-927-11	ELECT	4.7uF	20%	100V
C402	1-164-064-11	CERAMIC	56PF	5%	50V
C403	1-124-927-11	ELECT	4.7uF	20%	100V
C410	1-124-903-11	ELECT	1uF	20%	50V
C411	1-124-903-11	ELECT	1uF	20%	50V
C412	1-164-073-11	CERAMIC	100PF	10%	50V (G)
C413	1-162-282-31	CERAMIC	100PF	10%	50V (G)
C420	1-124-927-11	ELECT	4.7uF	20%	100V
C451	1-124-927-11	ELECT	4.7uF	20%	100V
C452	1-164-064-11	CERAMIC	56PF	5%	50V
C453	1-124-927-11	ELECT	4.7uF	20%	100V
C462	1-164-073-11	CERAMIC	100PF	10%	50V (G)
		< CONNECTOR >			
* CNJ402	1-568-828-11	SOCKET, CONNECTOR 9P			
CNP403	1-560-942-00	PIN, CONNECTOR 6P			
		< DIODE >			
D401	8-719-987-63	DIODE 1N4148M			
		< CONNECTOR >			
* EH20	1-564-506-11	PLUG, CONNECTOR 3P			
* EH21	1-564-506-11	PLUG, CONNECTOR 3P			
EH25	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
		< IC >			
IC401	8-759-634-51	IC M5218AP			
		< RESISTOR >			
R401	1-247-887-00	CARBON	220K	5%	1/4W
R402	1-249-417-11	CARBON	1K	5%	1/4W
R403	1-249-417-11	CARBON	1K	5%	1/4W
R404	1-249-423-11	CARBON	3.3K	5%	1/4W
R405	1-247-815-00	CARBON	220K	5%	1/4W
R451	1-247-887-00	CARBON	220K	5%	1/4W
R452	1-249-417-11	CARBON	1K	5%	1/4W
R453	1-249-417-11	CARBON	1K	5%	1/4W
R454	1-249-423-11	CARBON	3.3K	5%	1/4W
R455	1-247-815-00	CARBON	220K	5%	1/4W
		< VARIABLE RESISTOR >			
RV400	1-223-192-11	RES, VAR, CARBON 100K/100K (VOLUME)			
		< RELAY >			
RY400	1-515-614-11	RELAY			
**********					

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**********	
10	1-696-674-11	WIRE (FLAT TYPE) (23 CORE)	
⚠70	1-696-169-11	CORD, POWER	
72	1-690-588-11	WIRE, FLAT TYPE (9 CORE)	
⚠F800	1-532-506-51	FUSE (T6.3A)	
⚠F801	1-532-506-51	FUSE (T6.3A)	
⚠F902	1-532-286-00	FUSE (T2.5A)	
⚠F903	1-532-286-00	FUSE (T2.5A)	
Q711	8-729-209-15	TRANSISTOR 2SD2012	
Q714	8-729-320-83	TRANSISTOR 2SC3855-OY	
Q715	8-729-320-86	TRANSISTOR 2SA1491-OY	
Q761	8-729-209-15	TRANSISTOR 2SD2012	
Q764	8-729-320-83	TRANSISTOR 2SC3855-OY	
Q765	8-729-320-86	TRANSISTOR 2SA1491-OY	
⚠SOC901	1-526-794-11	OUTLET, AC (AC OUTLET)	
⚠T900	1-423-320-11	TRANSFORMER, POWER	
**********			
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-465-423-31	REMOTE COMMANDER (RM-S103)	
	1-501-369-11	ANTENNA	
	1-501-374-11	ANTENNA, LOOP	
	3-755-320-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, GERMAN, DUTCH, SWEDISH)	
	4-941-762-11	COVER (MLY), BATTERY	
*	4-945-638-01	CUSHION	
*	4-954-574-01	INDIVIDUAL CARTON	
**********			
		**********	
		HARDWARE LIST	
		**********	
#1	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3	
#2	7-621-849-00	SCREW (BV/RING)	
#3	7-682-548-04	SCREW +BVTT 3X8 (S)	
#4	7-682-548-09	SCREW +BVTT 3X8 (S)	
#5	7-682-549-04	SCREW +BVTT 3X10 (S)	
#6	7-682-561-04	SCREW +BVTT 4X8 (S)	

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9-957-308-11

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